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T-38 STRUCTURAL FLIGHT LOADS DATA FOR JUNE 1970 THROUGH DECEMBER 1971

Larry E. Clay, et al

Technology, Incorporated

Prepared for:

Aeronautical Systems Division

April 1973

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RONALD I. ROCKAFELLOW

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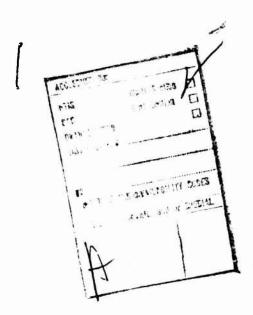
TECHNICAL REPORT ASD-TR-72-54

APRIL 1973

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Unclassified Security Classification DOCUMENT CONTROL DATA - R & D (Security classification of title, body of abstract and indexing annotation must be entered when the overall report is classified) 1 ORIGINATING ACTIVITY (Corporate author) 20. REPORT SECURITY CLASSIF CATION Technology Incorporated Unclassified 26. GROUP Dayton, Ohio N/AREPORT TITLE T-38 STRUCTURAL FLIGHT LOADS DATA FOR JUNE 1970 THROUGH DECEMBER 1971 4 DESCRIPTIVE NOTES (Type of report and inclusive dates) Final Report: June 1970 through March 1972.

5 AUTHORISI (First name, middle initial, last name) Larry E. Clay and Ronald I. Rockafellow 6 REPORT DATE 78. TOTAL NO OF PAGES 76. NO OF REFS april 1973 E33657-70-D-1161 96. ORIGINATOR'S REPORT NUMBER(5) E33657-71-D-0662 ASD-TR-72-54 System 420L 9b. OTHER REPORT NO(5) (Any other numbers that may be assigned this report) 10 OIS RIBUTION STATEMENT Approved for public release; distribution unlimited. 11 SUPPLEMENTARY NOTES 12 SPONSORING MILITARY ACTIVITY Aeronautical Systems Division Air Force Systems Command L_{i} R_{i} = R_{i} R_{i} = R_{i} = Wright-Patterson AFB, Ohio ABSTRACT In a fifth part of a continuing T-38 Service Loads Recording Program (SLRP) to cover the period from 1 June 1970 through 31 December 1971, 4265 hours of VG!! data were recorded by A/A24U-10 magnetic tape recording systems installed in twenty-eight T-38 aircraft: 22 fleet and 6 lead-the-force T-38's operating from Williams, Reese, and Moody Air Force Bases. As in previous reports, the data presentation includes curves showing normal load factor (n_z) exceedances above each n_z level per thousand flight hours. Only one n_7 exceeded 7.8 (design limit is 7.33), and the comparison of the exceedance curves for the current and previous programs substantiated that the T-38 n_z spectrum had remained unchanged during the T-38 SLRP. Unique to the current program was the introduction of four mission type data groupings which indicated that training missions had the most severe r_z spectrum and that navigation and general-purpose mission had the least severe nz spectrum. The data also indicated that the aircraft generally performed maneuvers at gross weights above the 9600-pound design weight. Histograms showing the percentage of time in each of five mission segments revealed that more than 50 percent of the time was spent in cruise and

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only 12 percent in maneuvers.

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SECTION I

INTRODUCTION

This report documents 4265 hours of Vgh data recorded on twenty-eight T-38 aircraft during a continuing T-38 Service Loads Recording Program (SLRP). The instrumented T-38's operated from Williams, Reese, and Moody Air Force Bases. All data were delivered to the contractor's data processing center during the period 1 June 1970 through 31 December 1971.

The T-38, shown in Figure 1, is a supersonic jet trainer used for advanced student training and pilot-upgrading missions.



Figure 1. View of T-38 Aircraft

As part of the Aircraft Structural Integrity Program (ASIP), the T-38 SLRP is designed to provide current operational flight data for structural fatigue analyses. Accordingly, under a previous contract, twenty-two fleet and six lead-the-force (LTF) T-38 aircraft were equipped with Vgh magnetic tape recording systems to record airspeed, vertical acceleration, and altitude during flight. In addition, the takeoff and landing fuel weights and the number of pilots per aircraft were written on supplemental data forms to permit the calculation of weight during flight.

In four previous contracts for the T-38 SLRP, reported in References 1 through 4, 7619 and 1588 hours of fleet and LTF T-38 data, respectively, were processed and documented.

During the current phase of the T-38 SLRP, Air Force personnel serviced and maintained the recording equipment, replaced expended magazines, filled out the supplemental data forms, and shipped the data to Technology Incorporated's data processing center. The Company retrieved, processed, analyzed, and documented the data.

After briefly describing the data recording equipment, summarizing the data collection, and explaining the data processing, this report presents the final data and lists conclusions and recommendations.

SECTION 11

DISCUSSION

A. Recording System

The T-38 SLRP employs the A/A24U-10 Recording Set (also called the DASR), a digital magnetic tape recorder, as the recording device. The system includes a computer-recorder, an hermetically sealed tape magazine, and a servo-accelerometer which is mounted at the aircraft's center of gravity. Two pressure transducers within the computer-recorder sense static and differential pressure from the aircraft's pitot-static system. The computer converts the differential and static pressures to the corresponding preset intervals of indicated airspeed and pressure altitude before recording them.

The computer-recorder continuously monitors the vertical acceleration and detects and tallies peaks in counters with preset acceleration levels according to the following criteria:

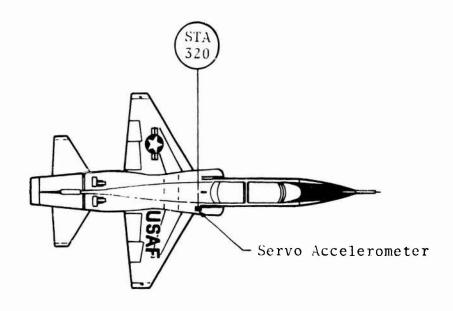
An acceleration peak is any maximum or minimum level preceded and followed by values each at least two recorder levels closer to the 1.0g level-flight reference, where a level is the line separating two adjacent intervals.

In addition, the computer-recorder stores the elapsed time from a 10-minute digital clock and the current indicated airspeed and pressure altitude codes. The contents of all acceleration counters, the elapsed time, and the airspeed and altitude interval codes are transferred to the tape whenever are one of the following four events occurs: (1) the airspeed interval changes, (2) the altitude interval changes. (3) an acceleration counter reaches capacity, or (4) the 10-minute clock completes its cycle. After each data transfer, the acceleration counters are reset to zero and any new airspeed and altitude interval codes are stored. The clock counter is reset only after it completes the 10-minute cycle.

B. Instrumentation and Data Collection

The recording systems in the twenty-eight T-38 aircraft were installed during previous programs as reported in References 1 and 2. During the current phase of the T-38 SLRP, Air Force personnel serviced and maintained the recording equipment. Figure 2 shows the approximate locations of the major recording system components in the T-38 aircraft.

Air Force personnel also performed the data collection task by replacing the tape magazines, completing the supplemental data forms, and shipping the expended magazines and corresponding supplemental data forms to the data processing facility.



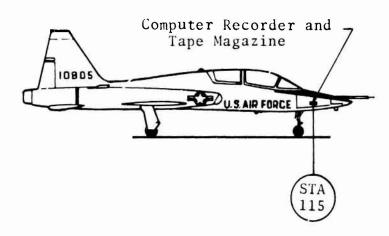


Figure 2. Approximate Installation Positions of Major Recording Systems Components in 7-38 Aircraft

A summary of the recorded data received at the data processing facility is listed in Table I. For each instrumented aircraft, this table gives the base, the recorder serial number, the number of magazines received with valid and invalid data, the number of hours represented by valid data, and the airframe hours between the first and last recorded flights.

The data collection rate for the six LTF aircraft decreased so substantially during the current program that only a few magazines were received from these aircraft after January 1971.

TABLE I

Summary of T-38 Data Collection
1 June 1970 through 31 December 1972

Air <u>Base</u> T-38 Regular	A/C Ser. No.	Recorder Ser. No.	Air F Initial	rame Time <u>Final</u>	(hr) ¹ Diff.	No. M Total	agazines Valid ²		Valid Data(hrs)
Williams	63-8184 63-8191	437	3484.0	4489.5	1005.5	26	2.1		
Reese	63-8219 64-3180 64-3262 64-3263 64-3278 64-3278 64-3279 64-5290 64-3301	410,95 521 394 419 285 403,83 69 479 506,504 412	3911.0 3518.0 3255.0 2838.0 3091.0 3174.0 3067.0 2924.0 2992.0 2935.0	4942.0 4283.5 3977.0 3687.8 4054.5 4197.2 4127.1 4026.5 3811.1 3939.1	1031.0 765.5 722.0 849.8 963.5 1023.2 1060.1 1102.5 819.1	23 14 22 31 20 30 29 28 28 28	21 11 6 18 20 17 26 24 27 25 25	5 12 8 4 11 3 4 5 1 3 3	202.3 100.6 29.4 263.0 142.4 233.9 126.0 285.6 227.4 159.2 210.6
vee? 6	62-3644 62-3645 62-3650 62-3651 62-3652 62-3653 62-3653 62-3655 62-3655 62-3655	498 154 162 156 160 159 164 161 146 166	4054 359 4106.0 3826.3 3971.7 4044.0 3999.0 3994.0 3852.0 3852.0 3899.0	4835.6 4289.7 4739.0 4632.7 4865.3 4907.0 4778.8 4751.4 4839.2 4619.0	781.6 98.7 633.0 805.8 893.6 863.0 796.0 384.8 899.4 887.2 720.0	24 21 23 16 32 19 26 21 38 21	24 9 22 14 31 6 25 21 37 1	12 1 2 1 13 1 	225.9 95.9 218.8 128.8 216.6 67.7 254.7 190.0 337.5
Total					18709.4	542	430	112	$\frac{179.2}{\overline{3902.6}}$
T-38 LTF									
Williams	61-0881 61-0897	147,247 387,373	4765.0 5346.0	5184.5 5919.0	419.5 573.0	17 11	1 2 1	5 10	127.6
Reese	61-0816 61-0945	UNK ³ 440	UNK 4296.3	UNK 4570.4	274.1	1 3	3	1	16.1
Moody	63-8158 63-8178	100 3708,18	3650.2 4067.0	4086.7 4619.4	436.5 552.4	22	18	4	31.2 187.3
Total					2255.5	68	34	34	362.2

lextends from first to last recorded flight received. 2Magazines with at least one flight with valid data 3Unknown - complete supplemental data not received.

C. Data Processing

1. Data Definitions

The intervals for airspeed, altitude, and normal acceleration were defined by the recorder, and 1000-pound intervals were used in processing and presenting the gross weight data.

The mission type and mission segment definitions are listed in Table II.

TABLE II

MISSION TYPE AND MISSION SEGMENT DEFINITIONS

T-38 Mission Types

Mission Type	Definition
Training	Flights with aerobatics and touch-and-go landings with a student pilot aboard.
Formation	Formation flights with a student pilot aboard.
Nav & General	Instruments and Navigation and other cross- country flights with a student pilot aboard.
Administrative	Test flights and other flights with no student pilot aboard.

T-38 Mission Segments

Mission Segment	Definition
Initial Ascent	First climb to a cruise altitude.
Cruise	Straight-and-level flight segments with no significant changes in airspeed, altitude, or acceleration.
Maneuver	Flight segments with airspeed and altitude changes and frequent or large acceleration peaks.
Final Descent	Last major descent before a full-stop landing.
Practice Landing	Flight segments between practice landings.

The equivalent normal load factor (n_{z_e}) was calculated from the n_z distributions in each gross weight range. The equivalent normal load factor is defined as

$$n_{z_e} = n_z(W_i/W_D)$$

where

 n_7 = normal load factor

 W_i^- = instantaneous gross weight

 W_D = design gross weight = 9,600 pounds.

The n_z peaks recorded by the A/A24U-10 are known only as occurrences in intervals such as 1.4g to 1.8g and 1.8g to 2.2g. Although these intervals suffice to represent load factor spectra, they are too broad to permit calculating n_{Ze} exactly. Reference 1 describes the method to distribute the n_z peaks across the width of each n_z interval.

The aircraft weight for any instant during each recorded flight was calculated by using a constant fuel consumption rate based on the engine start and shutdown fuel information for the given flight. An initial burnoff of 400 pounds was assumed to account for the start-up, taxi, and takeoff before the start of the ascent.

As described in Reference 1, the method for calculating the equivalent airspeed (V_e) is similar to that for n_{Z_e} .

2. Data Processing Operations

The data processing consisted basically of three major operations: (1) data retrieval, (2) reporting on data and equipment, and (3) final processing.

First, the data on the tape magazines were retrieved by the MXU-386/E flight data reproducer which transcribed the data onto a computer-compatible tape. The magazines were then erased, identified as being either serviceable or reparable, and shipped to the supply depot at Tinker AFB, Oklahoma.

Next, a preprocessing run on the data tape produced a preliminary printout to permit checking the data validity and the equipment operation. This printout, along with the history of each recording set and tape magazine, enabled personnel to prepare weekly reports. These reports detailed the status of the data and equipment, isolated any malfunctions in the equipment, and suggested remedial action for base personnel. Copies of these reports were sent to ASD at WPAFB, the repair center at OCAMA, and base personnel at Williams, Reese, and Moody Air Force Bases.

The preliminary data printout was also used to isolate and match data flights to the supplemental data forms supplied by the base. The form to log the supplemental information was changed in May of 1970 from AFTO Form 131 to Technology Incorporated DP Form 1304. The new form was introduced to simplify the logging and to classify the mission types in more meaningful categories, as listed in Table II. These categories were used in processing the data for this report.

After the supplemental data and the mission segment boundaries were entered manually and all ground data was deleted, the valid VGH data was computer-processed. The processed data was then checked for validity on a flight-by-flight basis. Once the data was determined to be correct, it was accepted onto a master file where the Regular and Lead-the-Force data were kept on separate tapes. This file was used to generate the various data tables presented in this report.

D. Data Presentation

Because of the amount of data, the discussion of the data results is included in this section, but the corresponding data figures and tables are included in Appendices A through D. The times in the computer tabulations have been rounded to the nearest 0.1 hour. Times below 0.05 hour (3 minutes) are represented by 0.0. Zero times are represented by a blank. Tables containing no peaks and less than 3 minutes of time have been omitted.

1. Composite Data (see Appendix A)

The data from the 6 LTF T-38's and that from the 22 fleet T-38's, designated "T-38 LTF" and "T-38 Regular," respectively, were treated separately. Figure 3 presents n_z exceedance (n_z peaks per thousand flight hours above each n_z level) curves for the two sets of data. For comparison with the current data, this figure also includes exceedance curves for four previous T-38 SLRP programs (see References 1 through 4). As apparent, all curves are generally the same.

For the current T-38 Regular and T-38 LTF, Figure 4 presents a tabulation and plot of n_Z peak frequencies in n_Z versus indicated airspeed intervals. As taken from Reference 5, the design V-n envelope serving as a reference in the plot is for the 8000-pound gross weight and sea-level condition. As apparent, only one n_Z peak over 7.8 was recorded (the design limit is 7.33). Most of the symbols above the curved part of the envelope represent n_Z 's whose corresponding airspeed intervals were too low because of the recorder peak detection logic which registers the peak in the airspeed interval at the end of the n_Z activity instead of at the peak (see Reference 1).

The mean exceedance curves and the upper 90 percent tolerance limit on these curves are plotted in Figure 5 for the T-38 Regular and T-38 LTF data. Assuming that the exceedances of the individual aircraft have a Gaussian distribution, 90 percent of the fleet and LTF T-38's would have exceedance values below their respective tolerance limit curves.

For the composite data, Figure 6 compares incremental equivalent normal load factor (n_{Z_c}) and incremental normal load factor (n_{Z}) curves. The two curves agree closely in the negative n_{Z} region, but the Δn_{Z_c} curve is slightly higher in the positive n_{Z} region which indicates that the aircraft generally performed maneuvers at gross weights above the 9600-pound design weight.

Table III and Figure 7 present the positive and negative \ln_Z peaks for both the T-38 Regular and the T-38 LTF data broken down by air base. The Δn_Z spectra for all the bases are almost equal.

2. <u>Mission Type Data</u> (see Appendix B)

The four mission types are compared in Figure 8 which shows both positive n_{Z} and negative Δn_{Z} exceedance curves for each type in both the T-38 Regular and the T-38 LTF data. As seen here, the Training mission data has the most severe positive n_{Z} spectrum, and the Administrative mission data which includes test flight data has the most severe negative Δn_{Z} spectrum. For the T-38 Regular data, the Nav & General mission has the least severe n_{Z} spectra. For the T-38 LTF data, however, the Nav & General and the Formation mission curves are generally

equal and less severe than the curves for the other two mission types.

For each mission type, Table IV lists n_z peaks in n_{z_e} intervals versus aircraft serial number (tail number).

3. Mission Segment Data (see Appendix C)

The five mission segments are compared in Figure 9 which shows both positive n_2 and negative Δn_2 exceedance curves for each segment in both the T-38 Regular and the T-38 L.F data. Of the positive and the negative curves for both the T-38 Regular and the T-38 LTF data, those for the Maneuver mission segment spectrum are by far the most severe. For each mission segment, Table V lists the n_2 peak frequencies in n_2 intervals.

For each mission type, Figure 10 depicts in histogram form the percentage of total mission time in each mission segment. More than 50 percent of the composite flight time was spent in the cruise mission segment. The most severe mission segment. Maneuver, accounted for only 12 percent of the composite flight time.

For each of the four mission segments, a figure was prepared to present (1) positive and negative Δn_Z exceedances for each mission type and the composite of all missions, (2) the percentage of total mission segment time in each equivalent airspeed interval for each mission type and the composite of all missions, (3) the percentage of total mission segment time in each pressure altitude interval for each mission type and the composite of all missions, and (4) the percentage of total mission segment time in each aircraft gross weight interval for each mission type and the composite of all missions. Figures 11, 12, 13, 14, and 15 present the above data for the Initial Ascent, Cruise, Maneuver, Final Descent, and Practice Landing mission segments, respectively.

Also for each mission segment, Table VI lists the $n_{\mbox{\scriptsize ze}}$ frequencies in a breakdown by mission type.

4. Additional Data Tabulations (see Appendix D)

Tables VII through X include additional T-38 data which could not be included in the above categories. As mentioned above, time entries of 0.0 hours in these tables indicate times greater than zero but less than 3 minutes.

With a breakdown by mission type, Table VII distributes the frequencies of \mathbf{n}_{z} peaks in \mathbf{n}_{z} versus gross weight intervals for each mission segment.

For all mission types in the T-38 Regular data and for the Training and the Nav & General missions in the T-38 LTF data,

Table VIII presents n_2 peak frequencies in n_2 versus equivalent airspeed intervals with a progressive breakdown by mission type, gross weight, and altitude. In the other two mission types of the T-38 LTF flights, the data was insufficient to be meaningful in this type of tabulation.

With a breakdown by altitude, Table IX lists the frequencies of $n_{\rm Z}$ peaks in $n_{\rm Z}$ versus equivalent airspeed intervals, and Table X lists the same data broken down further by mission type.

The average flight duration and the average number of touch-and-go landings per flight were 66 minutes and 1.25 for the Regular T-38's and 65 minutes and 0.98 for the LTF T-38's. In the composite data, as shown in Table XI, the average number of touch-and-go landings per flight were 2, 1, 0.30, and 0.35 for the Training, Formation, Nav & General, and Administrative missions, respectively. The comparison of the current data and the 1963-64 T-38 data (Reference 4) shows that the average number of touch-and-go landings per flight in the current data remained about the same in the Formation missions, decreased 25 and 60 percent in the Training and the Administrative missions, respectively, and increased 50 percent in the Nav & General missions.

SECTION III

SUMMARY AND CONCLUSIONS

- 1. The n_z spectrum for the current T-38 SLRP phase has not changed from those recorded during the previous phases.
- 2. There is no significant difference between the n_z spectra recorded at Williams, Reese, and Moody Air Force Bases.
- 3. Only one $n_{\rm Z}$ peak exceeded 7.8g during the current T-38 SLRP phase.
- 4. The new mission type data groupings, introduced in June 1970, permit a more rational presentation of the data. During the current T-38 SLRP phase, the Training and the Nav \S General missions had the most and the least severe $n_{\rm Z}$ spectra, respectively.

SECTION IV

RECOMMENDATIONS

- 1. The A/A24U-10 Recording Set should be redesigned so that each acceleration peak can be associated with the airspeed and altitude intervals at the peak.
- 2. The T-38 flight loads program should incorporate a better field test set (one that tests the data from the tape magazine to ascertain that the recorder is writing valid data on the tape) to detect malfunctioning recording systems before recording a full magazine of invalid data.
- 3. If feasible, a cockpit mission-type selector switch and a fuel-quantity sensor should be incorporated in the recording system and their signals should be recorded in the spare word position of the A/A24-10 Recording Set to eliminate the need for supplemental data in the T-38 SLRP.

APPENDIX A COMPOSITE DATA

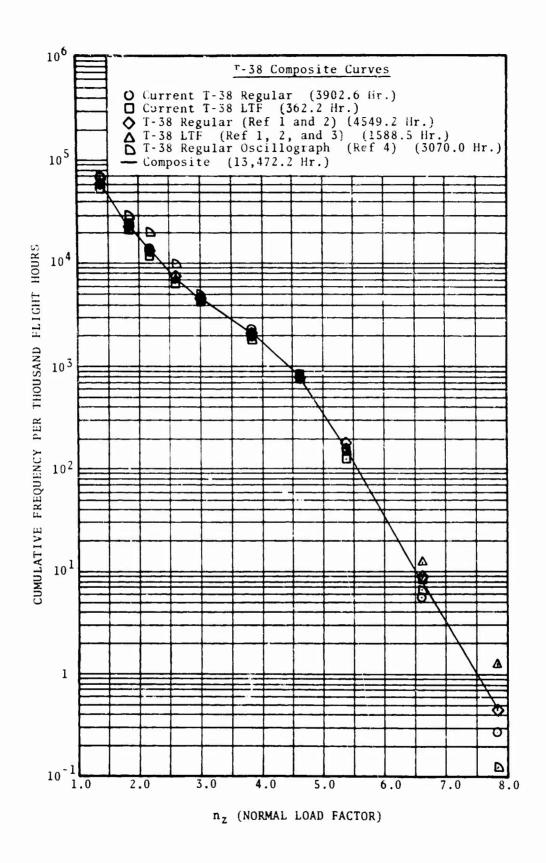
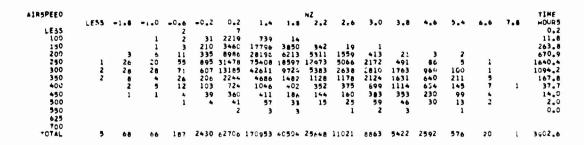
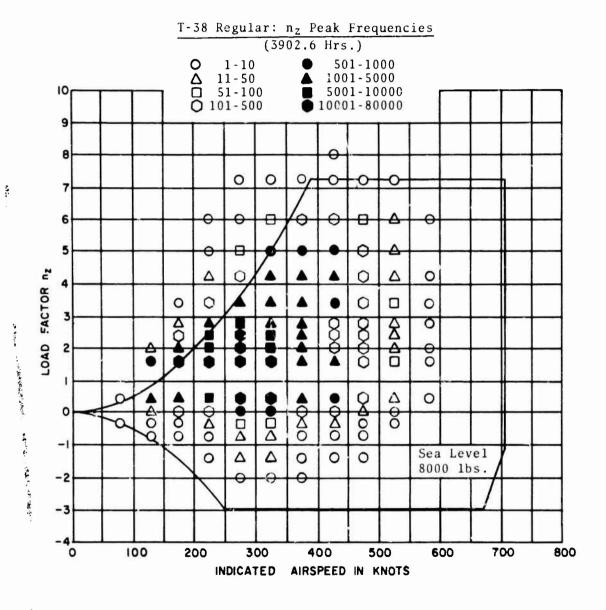


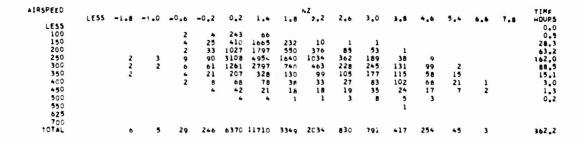
Figure 3. Composite n_z Exceedance Curves for Current and Past $T\text{-}38\ \text{Data}$





a. T-38 Regular

Figure 4. Plot and Tabulation of n_z Peaks in n_z versus Indicated Airspeed Intervals

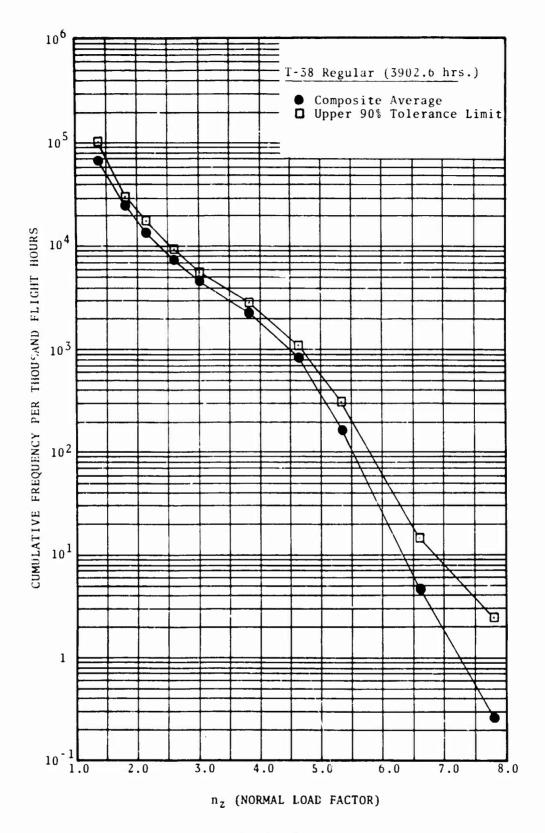


T-38 LTF: n_z Peak Frequencies (362.2 Hrs.) 0 1-10 501-1000 △ 11-50 □ 51-100 1001-5000 10 5001-10000 O101-500 ■ 10001-80000 6 0 LOAD FACTOR 0 0 0 0 0 OC C 000 Sea Level 0 8000 lbs. -2 o 100 200 300 400 500 600 700 800

b. T-38 LTF

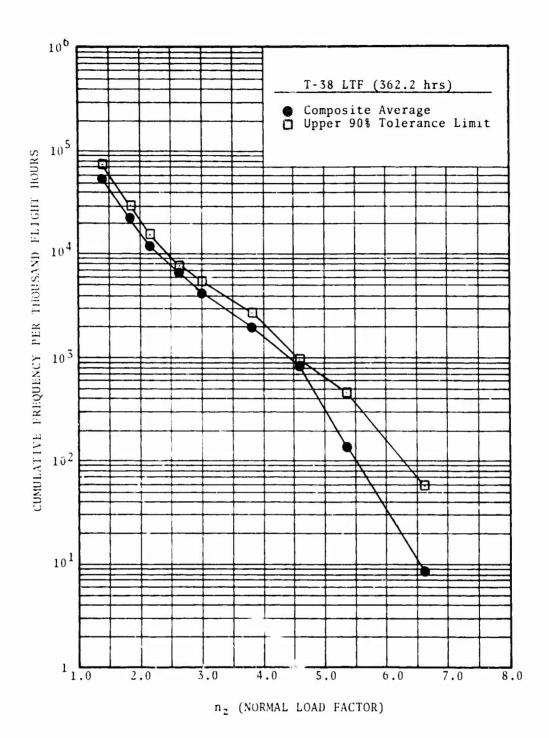
INDICATED AIRSPEED IN KNOTS

Figure 4. (Concluded)



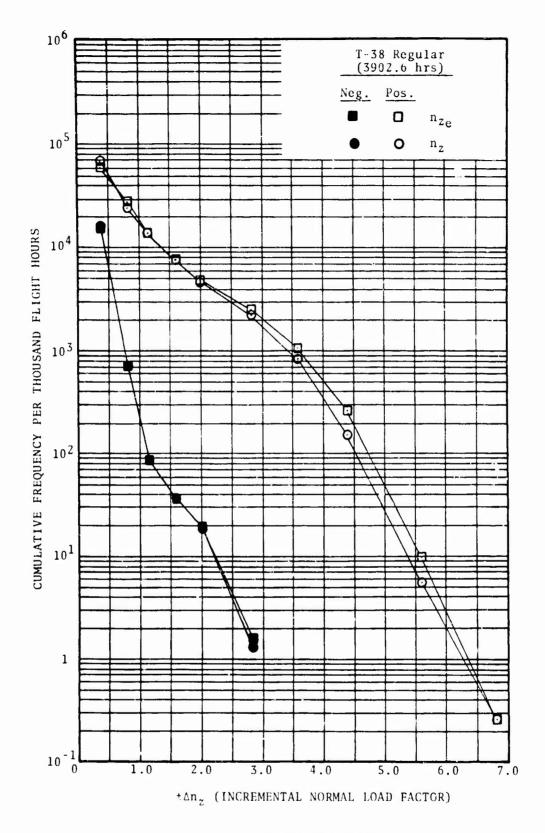
a. T-38 Regular

Figure 5. Mean $\rm n_{_{\rm Z}}$ Exceedance Curve and 90% Tolerance Limit



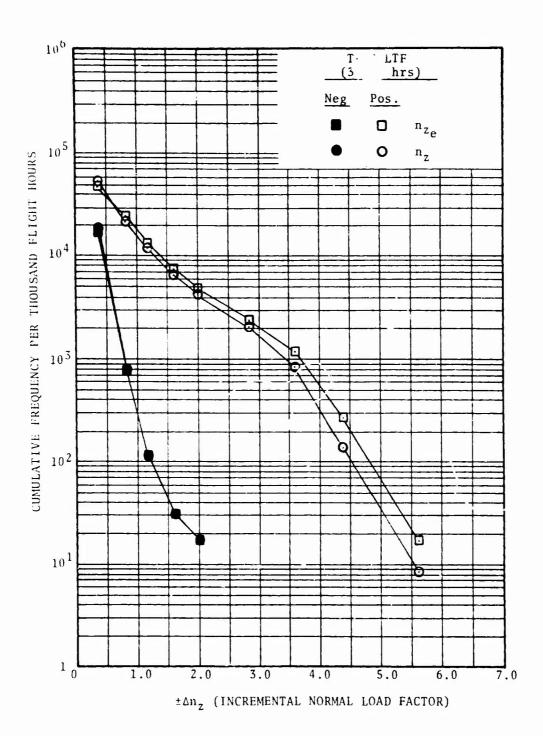
b. T-38 LTF

Figure 5. (Concluded)



a. T-38 Regular

Figure 6. Composite $\mathbf{n_{z}}$ and $\mathbf{n_{z}}_{e}$ Exceedance Curves



b. T-38 LTF

Figure 6. (Concluded)

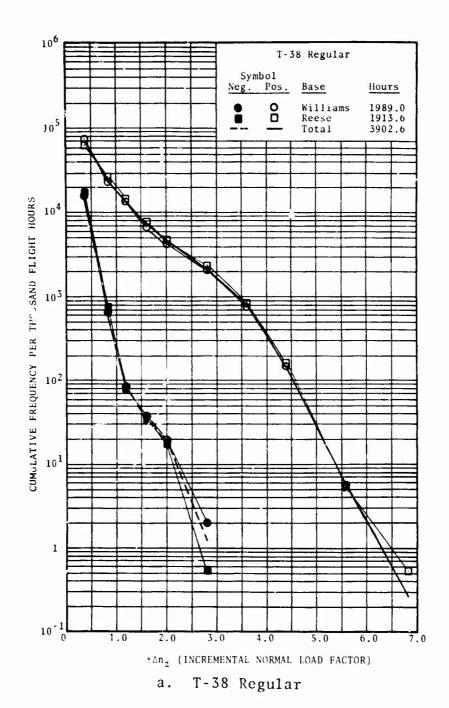
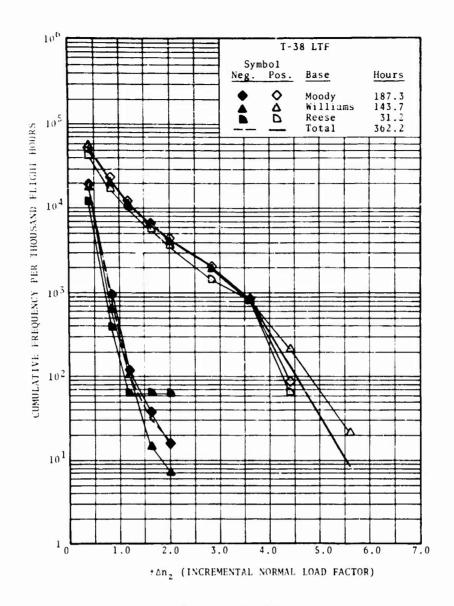


Figure 7. Exceedance Curves of Positive and Negative $n_{\rm Z}$ Peaks for Each Base

TABLE III Frequencies of $n_{_{\rm Z}}$ Peaks in $n_{_{\rm Z}}$ Intervals versus Base

						a.	T	- 38	Re	gula	ar						
MASE WILLIAMS REESE TOTAL	4	-1.8 35 33 68	38 28	92	1137	29922 32784	99140 71813	19559	12408	2.6 5116 5905 11021	4320	2528 2894	1261	280	11	7.a 1 1	TIMF HOURS 1989.0 1913.6 3902.6

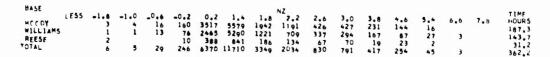


b. T-38 LTF

Figure 7. (Concluded)

TABLE III (Concluded)

b. T-38 LTF



APPENDIX B MISSION TYPE DATA

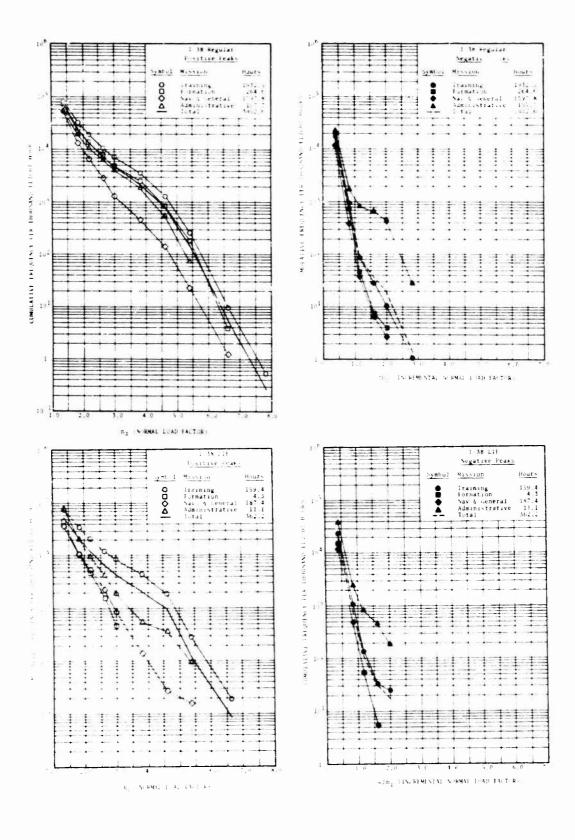


Figure 8. Exceedance Curves of Positive and Negative $\mathbf{n}_{\mathbf{Z}}$ Peaks for Each Mission Type

TABLE IV Frequencies of n_{Z} Peaks in n_{Ze} Intervals versus Tail Number by Mission Type

a. T-38 Regular

Mission 1 - Training

WISSION	1																
A/C TAIL NO								,	12E								TIME
	I ESS	-1.8	-1.0	_0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	4.6	7.8 707AL	HOURS
3180				7	76	1225	2860		818	431	408	242	148	51		7654	100.1
3262			1	4	42	693	2075	1191	579	261	245	153	111	35	4	5394	72.2
3263			1	3	79	1302	3118	1623	A53	354	366	246	151	65	2	\$1 m3	100.4
32 . 6			2	2	44	676	7600	1415	J66	231	252	162	102	3 a		11090	64.1
3278		1	4	4	86	1671	4005	1992	949	451	438	301	198	63	4	10167	123.9
3279			3	8	58	1772	3764	1833	830	351	307	189	111	26	1	92 a 3	100.7
3290			1	3	31	1012	2128	1145	610	261	212	131	80	30	2	5446	59.5
3301		1	1	4	77	1311	2888	1234	684	305	325	203	134	4.6		7215	84.8
3644		2		6	133	3548	4201	1953	1005	491	455	249	117	49	7	12211	124.0
3645				2	58	902	1187	645	377	177	185	165	92	18		3808	46.3
3646			5	12	88	1319	3476	1890	997	464	404	265	134	46	3	9103	116.2
3650		2		4	70	1889	2160	1017	559	249	239	150	8 6	24	1	6452	70.1
3651		1	2	11	94	2049	3942	2239	1121	487	418	271	147	56		10878	132.5
3652				2	31	639	1112	563	251	116	105	81	49	18		2967	35,4
3653		1		9	109	1900	3953	2151	1163	506	467	351	179	46		10831	140.4
3654				11	86	1853	3158	1720	950	383	305	206	118	31		8871	92.0
3655		2	5	5	156	3345	5216	2950	1639	742	624	441	240	63	2	1 15431	209.9
3656					18	179	248	117	41	20	30	11	3	3		670	6.2
3657		3	2	6	81	1351	2660	1465	806	392	376	238	110	41		7531	88.5
818-	2	4	3	9	134	2735	5093	1977	878	401	414	239	151	52	3	12095	107.8
8191		1	2	1	44	860	1855	889	592	208	183	95	59	15		4804	46.0
6219				1	14	599	659	313	167	59	35	33	12	2		1894	13,6
TOTAL	2	1 a	32	114		32830				7340	6793	4422	2525	820	24	1172108	1932.5

Mission 2 - Formation

w155104	2																
A/C TAIL NO								N	2 E								TIME
	t E 55	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.0	2.2	2.6	3.0	3.8	4.6	5.4	4.6	7.8 7JTA:	HOURS
3180					3	71	96	32	22	3	2	1	1			1 0 1	4.4
3262					6	160	437	150	75	23	20	10	6	6		902	11.1
32e3					1	12	37	6	4	2				171		62	1.3
3266					5	84	556	112	35	26	20	16	10	1		845	7.3
3278					9	276	695	34+	126	64	61	25	10			1618	25.2
3279		1		3	18	461	794	308	133	54	46	28	9	٠		1855	17.3
3290					1	68	119	47	20	7	7	7				274	6.0
3301					18	388	907	514	262	102	94	34	23	4		2340	38.0
3644				1	5	232	217	78	32	20	22	6	3	ĩ		617	8.5
3646			1		22	318	842	402	228	99	84	53	31		1	2087	27.8
2650				2	11	244	297	178	103	59	47	19	ii	3	-	97.	10.5
3651				2	28	424	701	348	154	60	61	38	19			18-3	17.0
3652						27	31	15	7	2	4	7	4	1		100	1.2
3653					7	165	391	261	90	31	37	25	20	š		1032	16.3
3654				1	14	416	768	333	145	67	66	47	24	- 7		1885	28.9
3655				ī	22	414	677	331	160	17	95	74	28	2		1881	23.5
3657					10	242	564	290	101	42	45	17	10			1325	20.1
TOTAL		1	1	10	180	3962	8129	3758	1697	738	711	407	209	55	1	19899	264.6

TABLE IV (Continued)

Mission 3 - Nav & General

MISSION	3																
A/C TAIL NO									35								TIME
	LES5	-1.8	~1.0	-0.0	-0.2	0.2	1.4	1.4	2.2	2.6	3.0	3.8	4.6	5.4	6.5	7.8 TOTAL	HOURS
3100		1		7	36	1345	4049	128A	528	257	142	37	21	9		7718	145.1
3262		2	1	4	19	526		a55	361	147	105	26	5	2		3644	58.0
3263					34	978	3239	1175	407	143	130	44	20	3	2	6175	124.1
3266					15	562	5623	1077	215	111	73	23	6	1		7706	52.2
3278				3	39	1325	3822	1432	547	240	163	64	32	10		7678	120 6
3279				5	50	1429	3282	1136	429	150	123	57	18	3	1	6691	10
3290			2	3	33	1161	2147	868	347	137	91	22	4	5		4820	89.4
3301			1	3	38	798	1994	842	365	136	84	31	11	1		4306	79.1
3644		1	ı	1	48	1335	2084	931	348	140	82	30	11			5012	87.3
3645				1	1.3	496	1139	439	194	75	47	30	5			2439	46.3
3646				2	14	477	1411	466	202	75	35	7	4			2693	68.3
3650				3	19	593	906	430	161	46	11	1				2179	46.8
3651				4	16	659	1666	642	190	83	57	23	12	4		3355	59.5
3652					13	517	932	373	162	59	10	1				20A7	31.1
3653				4	30	959	2195	886	126	110	60	14	2			4586	95.8
3654				4	25	624	134g	551	203	98	66	30	10	3		2962	59.4
3655			1		29	842	2047	747	282	125	49	10	6			4138	94.9
3657					27	826	1867	765	293	86	29	5	1			3899	69.5
8184				2	35	1128	2510	963	397	179	109	32	14			5349	89.2
8191				2	13	525	1500	555	193	93	36	9	5			3021	54.6
8219				1	7	287	465	183	83	36	44	23	9	1		1110	15.2
TOTAL		4	ŧ	49	553	17392	45927		6233	2536	1546	519	196	41	3	91617	1597.8

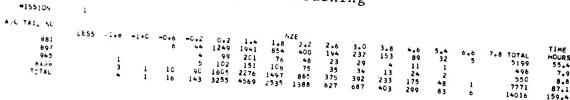
Mission 4 - Administrative

#15510N	4																
AVE TAIL NO								N	2 E								TIME
	LESS	-1.8	-1.0	-0:6	-0.2	0.2	1.4	1.6	2.2	2 . A	3.0	3.8	4.6	5.4	4.6	7.8 TOTAL	HOURS
3180		2	2	1	13	120	188	8.8	31	l a	25	20	8			516	13.3
3262			1	1	2	23	50	15	11	7	4	3				117	1.1
3263		6			4	110	149	100	52	12	14	12	5	2		447	8.2
3266		5	1	1	10	66	112	56	23	13	16	7	3	1		314	2.3
3278	1	2	3	3	8	208	360	142	4.6	20	21	9	1			824	8.9
3279		4	1	2	7	153	155	71	34	12	22	12	4			477	7.0
3290	1	2	2		2	40	75	41	16	18	35	27	4	1		244	4.3
3301			5	1	6	111	241	119	42	19	22	15	7	1		589	8.4
3644		1	4		3	202	202	63	31	15	3	5	1			510	6.1
3645		4			12	164	163	61	24	9	16	7				448	3.3
3646		2	1	1	-	69	170	75	40	11	17		3			847	6.5
365C	1	ī	•	•	3	62	60	19	10	7	3	4	1			171	1.4
3651	_	-	1		2	77	175	43	10	5	6	3	1			823	7.7
3653			-		_	31	97	26	16	7	2	3	•			185	2.1
3654		4	2	1	6	129	276	100	44	23	23	10	3	2		631	9.7
3655		,	- 7	•	ž	165	234	99	47	27	26	14		2		687	9.3
3656			•		- 1	54	73	24	10			•	•	•		145	0.9
3657		2	•		•	20	43	21	. 6	7	2	,	,			ins	1.1
8184		1	1	1	4	111	227	99	42	13			•	1		520	5.3
8219		,	•	- 1		24	18	",	٠,	- 1	•	•	-	•		54	0.6
TOTAL	3	45	26	15	93	1939	3068	1278	137	244	265	168	65	16		7796	107.7

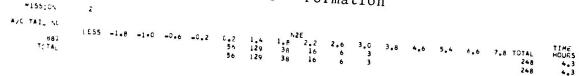
TABLE IV (Concluded)

b. T-38 LTF

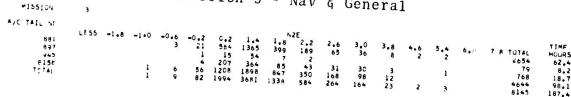
Mission 1 - Training



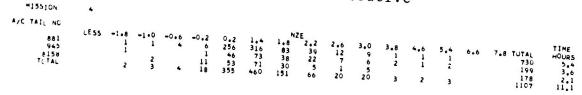
Mission 2 - Formation



Mission 3 - Nav & General



Mission 4 - Administrative



APPENDIX C MISSION SEGMENT DATA

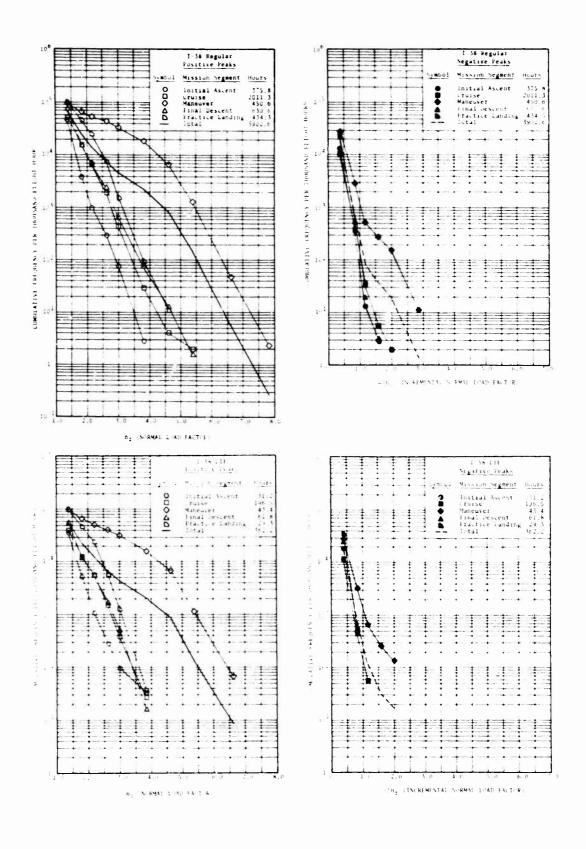


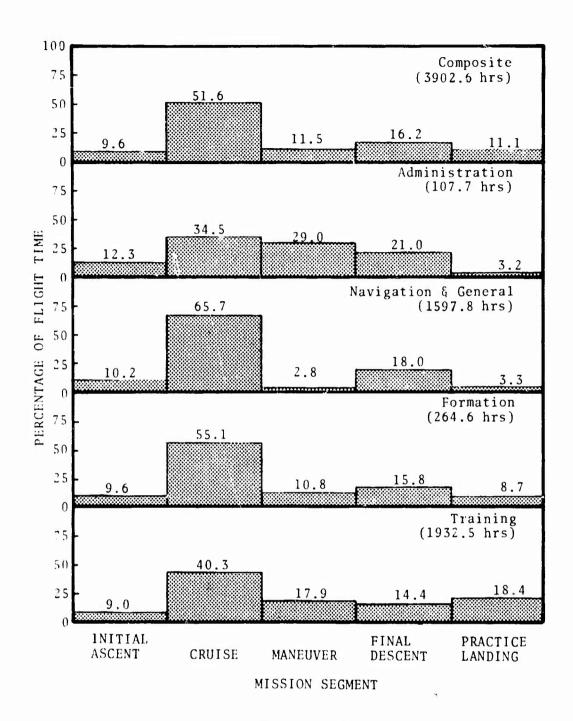
Figure 9. Exceedance Curves of Positive and Negative n_Z Peaks for Each Mission Segment

a. T-38 Regular

4155. SEG.									NZ								TIME
	LESS	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7 . A	WOUR S
INITIAL ASCEN	T		1	4	124	4803	16408	1086	256	80	27	1					375.8
CRUISE		4	7	53	688	20887	74697	17789	9860	3057	823	50	4	4			2011.3
MANEUVER	5	64	56	104	1090	11178	14156	6910	4741	4121	6986	5297	2576	571	23	1	450.6
FINAL DESCENT			2	10	313	16439	39808	5332	2e15	1150	353	39	7	1			6.30.6
PRACTICE LDG				16	215	9399	25884	9387	7976	2613	674	35	5	-			434.3
TOTAL	5	68	66	187	2430	62706	170953	40504	25648	11021	8863	5422	2592	576	20	1	3907.6

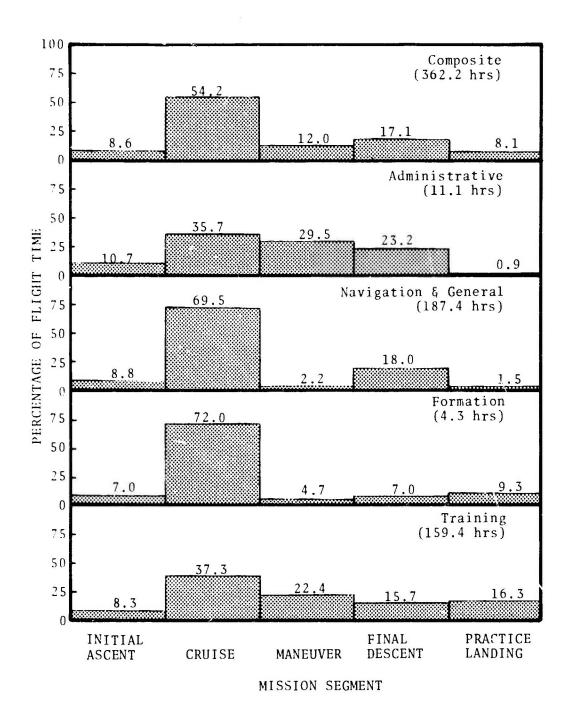
b. T-38 LTF

#155. SEG.									NZ								TIME
INITIAL ASCENT	LE55	-1.8	-1.0	_C.6	-0.2 16 76	0,2 540 2238	1.4 912 5240	1.8 124 1343	2.2 23 407	2.6	3.0 2 70	3.8	4.6	>.4	6.6	7.8	HOURS 31.2 196.5
MANEUVER FINAL DESCENT		6	5	18	106	1107	1400	709	437	40g 67	651	409	254	45	3		43.4
FRACTICE LOG		6	5	29	246	100C	1406	729 3349	528 2034	127 830	3E	417	254	45	3		29.3 362.2



a. T-38 Regular

Figure 10. Percentage of Total Time Spent in Each Mission Type in Each Mission Segment



b. T-38 LTF

Figure 10. (Concluded)

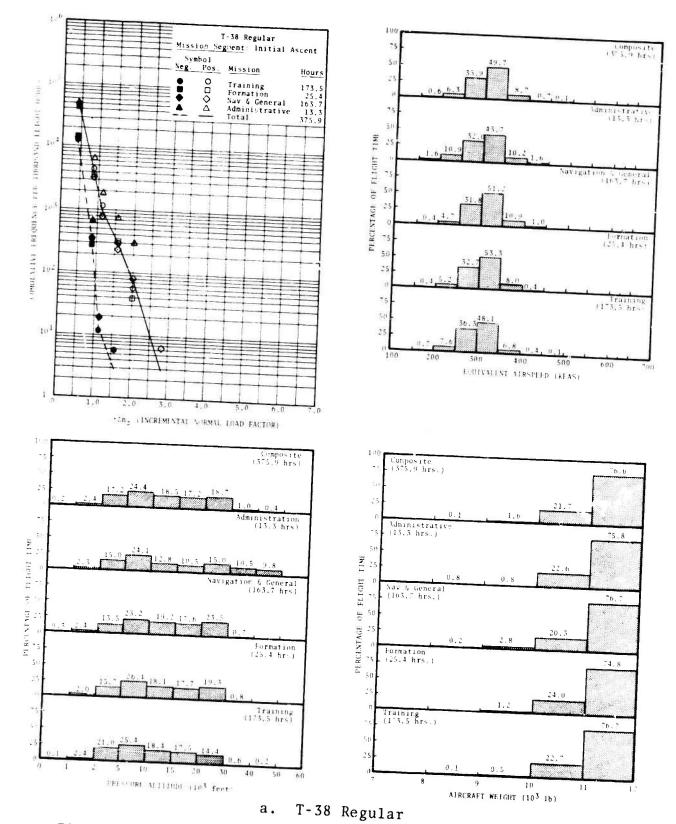
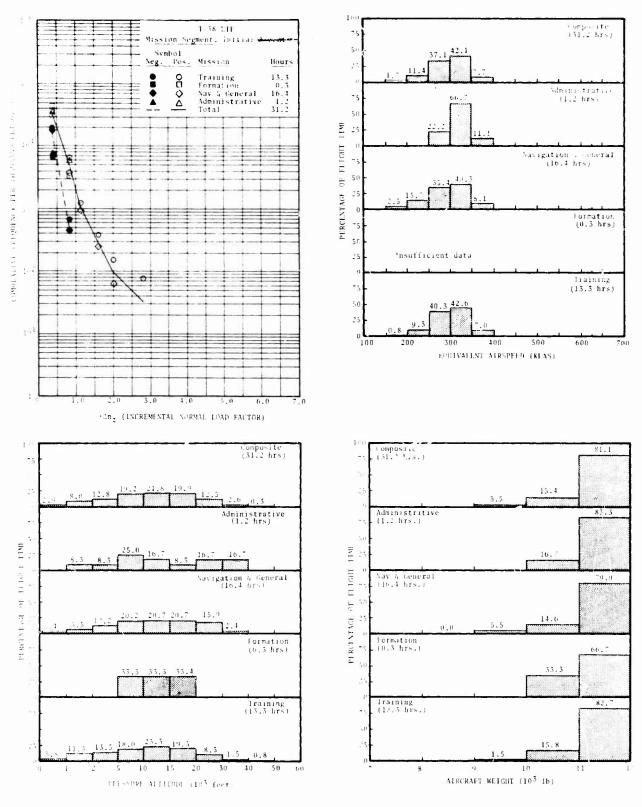
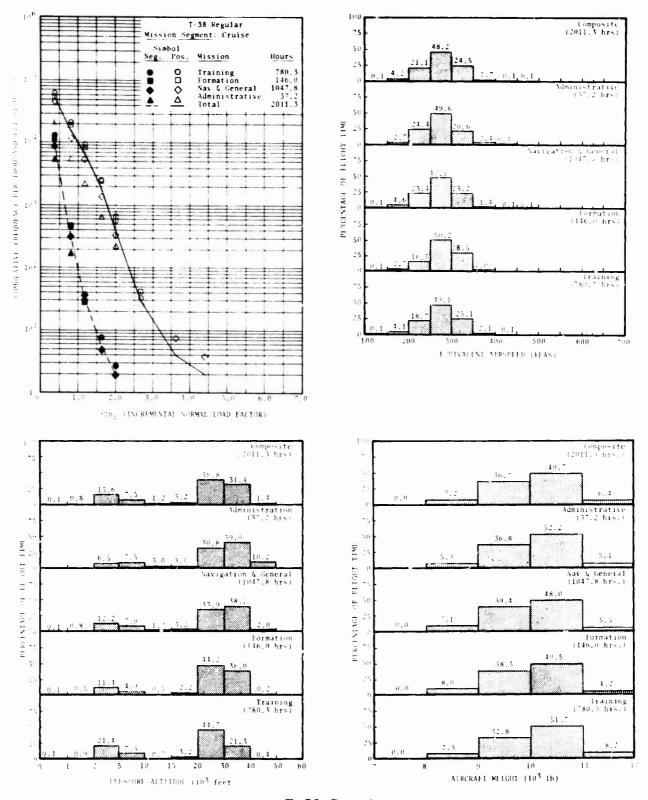


Figure 11. Initial Ascent Mission Segment: n Exceedance Curves and Time Histograms of Equivalent Airspeed, Altitude, and Weight by Mission Type



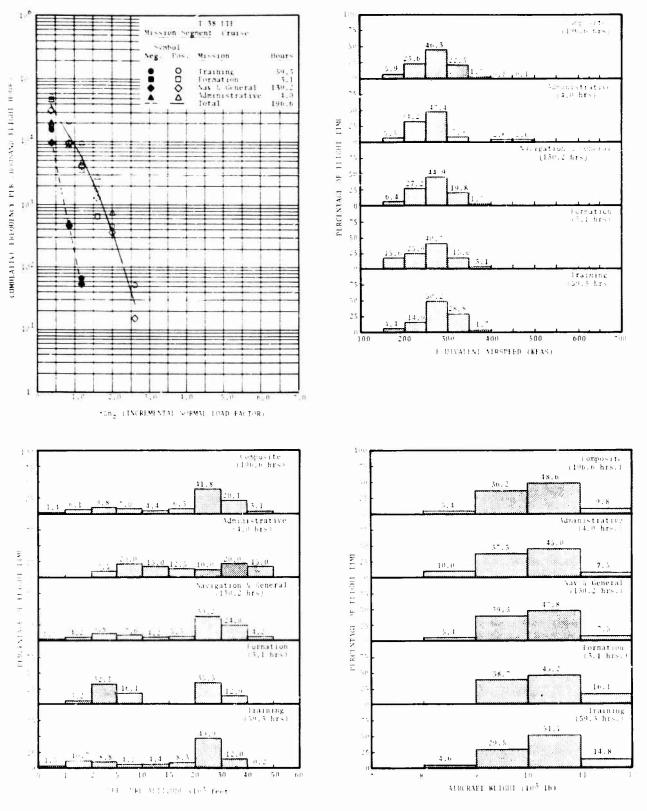
b. T-38 LTF

Figure 11. (Concluded)



a. T-38 Regular

Figure 12. Cruise Mission Segment: n_z Exceedance Curves and Time Histograms of Equivalent Airspeed, Altitude, and Weight by Mission Type



b. T-38 LTF

Figure 12. (Concluded)

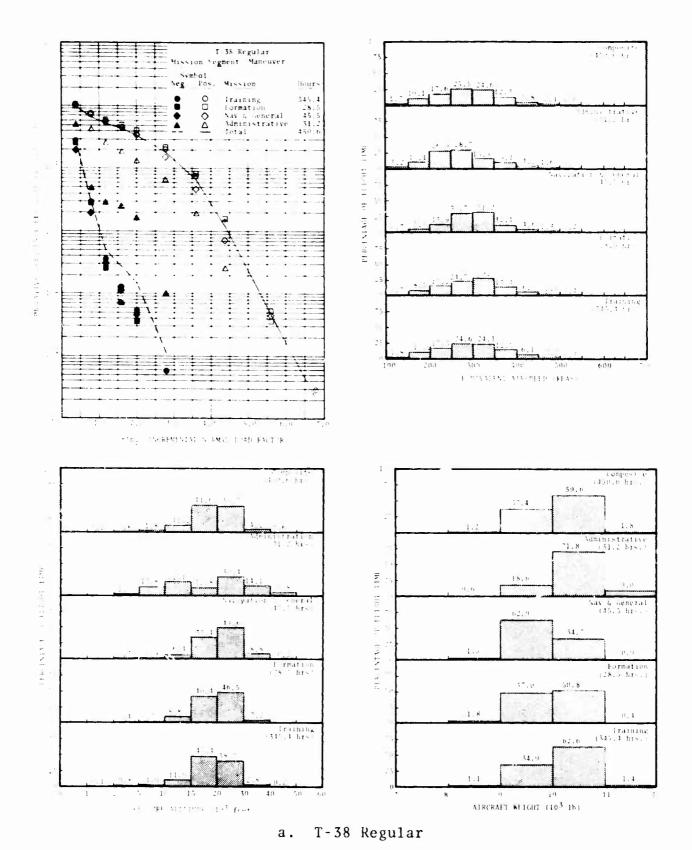


Figure 13. Maneuver Mission Segment: n_z Exceedance Curves and Time Histograms of Equivalent Airspeed, Altitude, and Weight by Mission Type

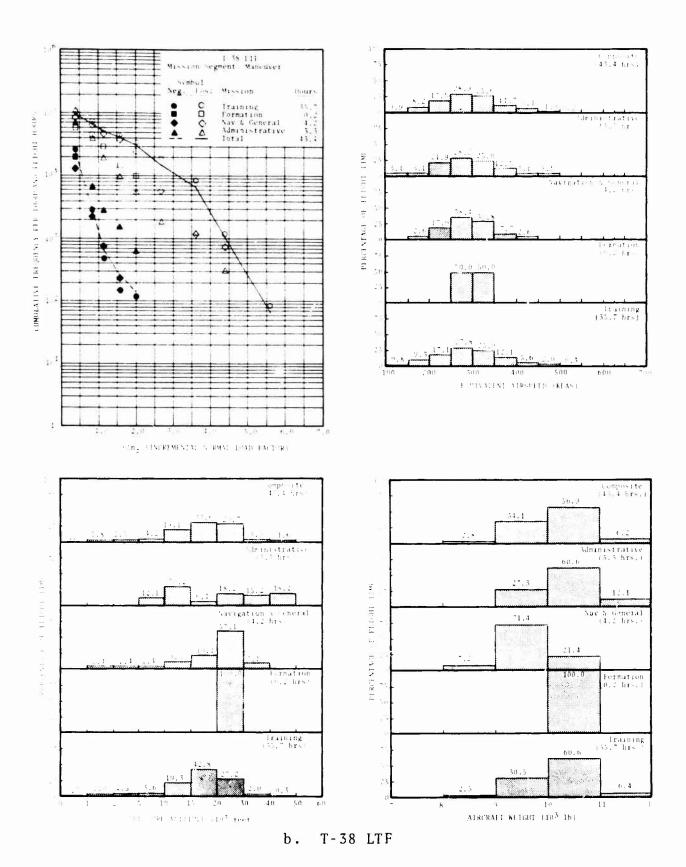
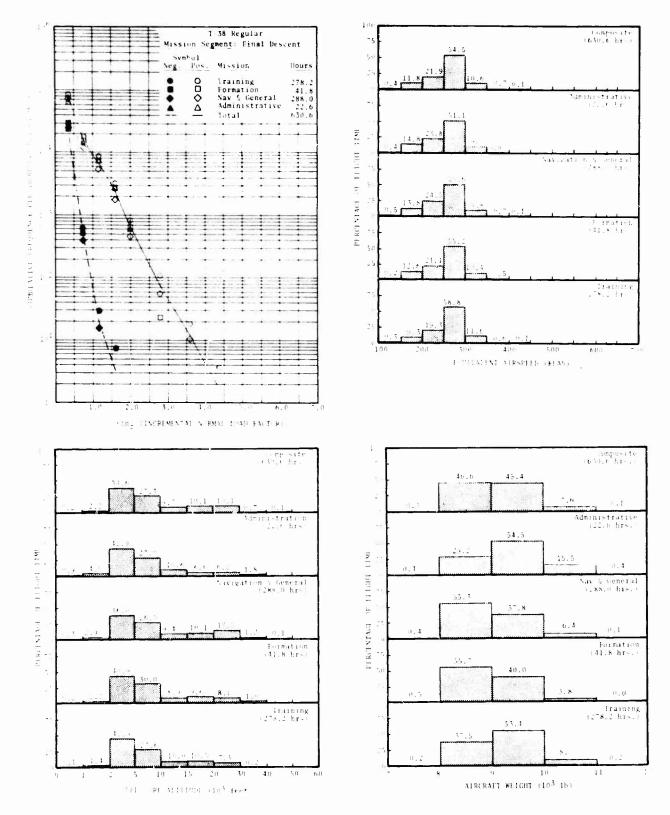
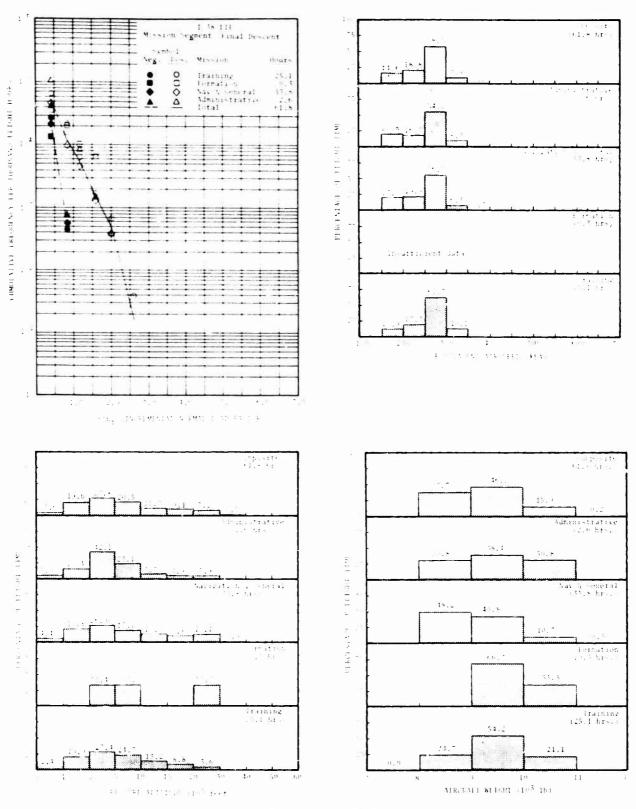


Figure 13. (Concluded)



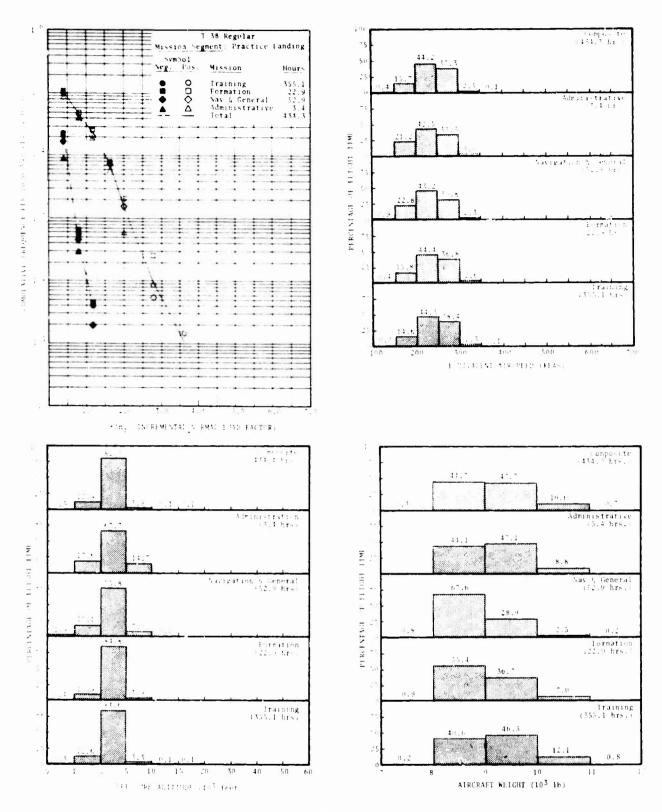
a. T-38 Regular

Figure 14. Final Descent Mission Segment: n_z Exceedance Curves and Time Histograms of Equivalent Airspeed, Altitude, and Weight by Mission Type



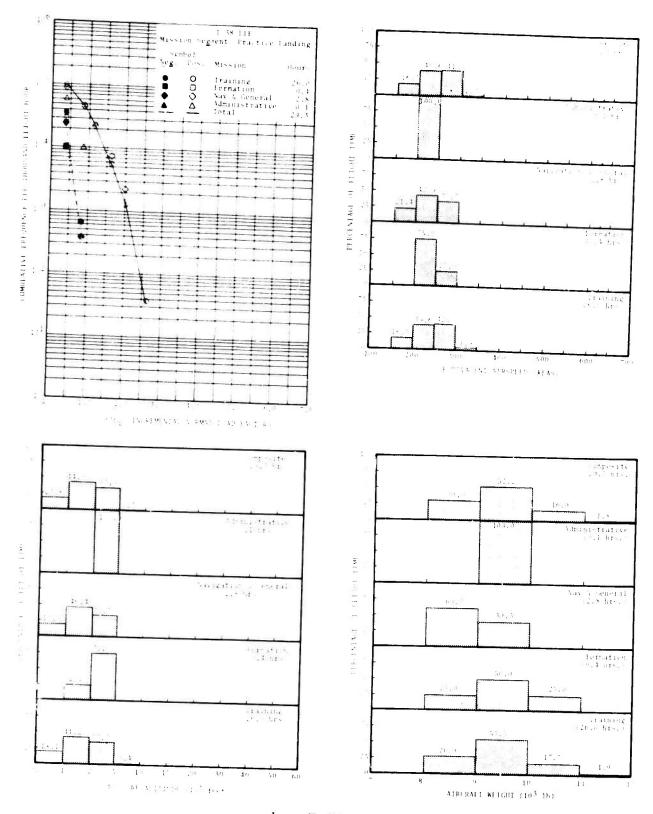
b. T-38 LTF

Figure 14. (Concluded)



a. T-38 Regular

Figure 15. Practice Landing Mission Segment: n₇ Exceedance Curves and Time Histograms of Equivalent Airspeed, Altitude, and Weight by Mission Type



b. T-38 LTF

Figure 15. (Concluded)

TABLE VI Frequencies of $n_{\rm Z}$ Peaks in $n_{\rm Ze}$ Intervals versus Mission Segment for Each Mission Type

a. T-38 Regular

Mission 1 - Training

≥15510N																	
#155. SEG.									NZE								TIME
	1 E 5 5	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	HOURS
INITIAL ASCENT			1	1	51	1151	3630	3644	421	121	51	3					173.5
CRU1SE		2	4	17	326	8973	25369	11374	5651	2111	722	37					780.3
MANEUVER	2	16	26	75	837	7074	8363	5672	3844	3269	5590	4296	2521	860	33	1	345.4
FINAL DESCENT			1	7	179	7753	13017	2598	1292	376	128	19	4	1		•	278.2
PRACTICE LDG				13	191	7689	16859	8400	5271	1447	325	19	1	_			352.1
TOTAL	2	18	32	113	1584	32840	67258	31688	16479	7324	6816	4374	2526	861	33	1	1932.5

Mission 2 - Formation

MISSICH	2																
MISS. SEC.								•	Z€								TIME
	(F 5 5	-1.5	-1.0	-0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5. 4	4.6	7.8	HOURS
INITIAL ASCENT					7	202	550	508	55	6	7	1					25.4
CRUISE				4	64	1489	4149	2005	922	335	127	8					146.0
MANEUVER		1	1	5	73	536	677	440	284	298	520	399	206	70	1		28.5
FINAL DESCENT					22	1253	1563	286	149	38	11						41.8
PPACTICE LDG				1	14	472	1122	551	317	64	24	2					22.9
TOTAL		1	1	10	180	3946	8061	3790	1727	741	689	410	206	70	1		264.8

Mission 3 - Nav & General

N15510N	3																
#155. SEG.									ZE								TIME
	LESS	-1.8	-1.0	.0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	HOURS
INITIAL ASCENT				3	49	1241	3991	3775	291	69	29	6	1				163.7
CRUISE		2	3	32	279	7811	28796		4178	1662	528	26	3	6			1047.8
PANEUVER		2	3	9	76	693	1235	789	585	540	929	478	198	38	3		45.5
FINAL DESIGNT				4	117	6795	9551	1538	659	159	51	6	i		-		288.0
PRACTICE LDG				1	23	830	2189	910	534	127	20						52.9
TOTAL		4	6	49	544	17370	45762	16695	6747	2557	1557	516	203	44	3		1597.8

Mission 4 - Administrative

N15510N	4																
FISS. SEG.								N.	ZΕ								TIME
	L E 55	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	HOUR S
INITIAL ASCENT					9	119	319	278	51	11	6	3					13.3
CRUISE					6	163	463	142	60	25	6	2					37.2
MANEUVER	4	47	23	15	63	1105	1221	682	312	178	239	158	75	16			31.2
FINAL DESCENT					14	501	875	17#	89	35	13	1					22.6
PRACTICE LDG					1	29	96	72	31	9	2						3.4
TOTAL	•	47	23	15	93	1917	2974	1352	543	258	266	164	75	16			107.7

TABLE VI - (CONCLUDED)

b. T-38 LTF

Mission 1 - Training

41551C%	1																
FISS. SEG.									ZE								TIME
	LESS.	-1.8	-1.0	.0.6	-0.2	0.2	1.4	1.6	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	HOURS
INITIAL ASCENT					9	149	216	222	53	10	3	1	1				13.3
CRUISE				4	23	830	1492	784	470	154	39	5					59.3
MANEUVER		4	I	12	84	733	853	608	365	329	592	398	296	85	6		35.7
FINAL DESCENT					11	660	988	226	92	27	10	1					25.1
PRACTICE LDG					16	891	1010	684	419	84	34	1					26.0
TOTAL		4	1	16	143	3263	4568	2524	1399	604	678	406	297	8.5	6		159.4

Mission 2 - Formation

+ 15510h	2																
MISS. SEG.									ZΕ								TIME
	LESS.	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	HOUFS
INITIAL ASCENT						2	8	4	1								0.3
CRUISE						43	108	25	12	Z							3.1
MANEUVER						4	2	4	2	1	3						0.2
FINAL DESCENT						4	-	2	1	,							0.3
PRACTICE LOG						4	10	.,	•	-							0.4
TOTAL						57	133	36	16	5	3						4.3

Mission 3 - Nav & General

*15510t	3																
M155. SEG.								N.	ZE								TIME
	LESS	-1.8	-1.0	-C.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	HOURS
INITIAL ASCENT					7	188	270	189	32	6	4						16.4
CRUISE				7	50	1000	2428	867	391	182	71	2					130.2
MANEUVER			1	2	6	47	76	5 p	58	48	77	20	2	3			4.2
FINAL DESCENT					18	688	700	160	70	17	11						33.8
PRACTICE LOG					1	67	65	66	29	В	• •						2.8
TOTAL			1	9	82	1998	3658	1340	579	261	163	22	2	3			187.4

Mission 4 - Administrative

+12.100	4																	
MISS. SEC.								N.	ZE.								TIME	
	1 E 5 5	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	HOUR 5	
INITIAL ASCENT						8	23	14	6								1.2	
CRUISE					2	75	108	17	6	3	4						4.0	
MANEUVER		2	3	4	14	166	191	90	37	14	15	3	2	3			3.3	
FINAL DESCENT					2	106	135	25	17	4							2.6	
PRACTICE LDG					_	1	5	1	-								0.1	
TOTAL		2	3	4	18	356	462	147	66	21	19	3	2	3			11.1	

APPENDIX D ADDITIONAL DATA TABULATIONS

TABLE VII. Frequencies of n_z Peaks in n_z versus Gross Weight Intervals by Mission Segment for Each Mission Type

a. T-38 Regular

Mission 1 - Training

M155. SFG.	INITIAL A	SCENT				11.											
WEIGHT				-		<i>!</i>			NZ								TIME
8000 9000		-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.6	2.2	2.6	5.0	5.8	4.6	5.4	6.6	7.8	0.1
10000				1	10 41	21 199 1665	855	108 455	55	11	6						39.5
TOTAL			1	1	5?	2087	6220 7134	548	106	50 41	10						155.2 175.5
M155. SEG.	CRUISE																
WF 1GHT	LESS	-1.8	-1-0	-0.6	-0-2	0.2	1.4	1.8	2.2	2.6	5.0	5.8	4.6	5.4	6.6	7.8	TIME
7000 8000					56	1604	4590	922	647	262	53	5	•	•	•••		0.1
10000		1	1 5	12	152 141	5795	12418 15889	2888 4785	1705 2660	556 676	175 157	16					256.1
11000 TOTAL		1 2	4	1	25 534	10197	1809	579 8974	178 5190	57 1552	407	25					64.0
																	,,,,
#155. SFG.	MANEUVER																
WEIGHT	LESS	-1.8	-1.0	-0.6	~0.2	0.2	1.4	1.6	2.2	2.6	5.0	3.0	4.6	5.4	6.6	7.4	TIME HOURS
9000		5		59	10 521	92 2638	127 3757	41 1586	52 1175	35 1251	50 2551	1859	945	257	1	1	120.7
10000 11000	2	7	14	52	530	5543 85	6366 116	5557 78	2594	1877	2912 58	2520	1172	225	7		216.2
TOTAL	2	16	26	75	877	8556	10368	5242	5641	5185	5351	4274	2157	486	17	1	545.4
H155. 5FG.	FINAL DES	SCENT															
WEIGHT	1 558	-1.8	-1.0	-0.6	-0.2	0.2	1,4	1.8	NZ 2.2	2.6	3.0	5.8	4.6	5.4	6.6	7.8	TIME HOURS
7000 8000		-1,0	2	2	84	11	9219	1281	707	5	91	7.0	4.0	,,,			0.5
9000			2	4	75 11	54.85 241	8810 764	1596	778 71	274 15	100	14	4	1			148.4
11000 TOTAL			2	6	168	5	55 18854	2845	1564	656	201	25	4	1			276.2
TOTAL			2	•	100	1023	10074	2047	1764	670	201	.,		•			
H	0040040																
MI35. 5FG.	PRACTICE	100															
WEIGHT	LESS	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.0	N2 2 . 2	2.6	5.0	5.8	4.6	5.4	4.6	7.8	TIME HOURS
7000 R000					89	5878	9559	21 5261	15 2957	1147	5 519	15	4				0.7 144.5
10000				6	10	5565 588	9598	3700 949	3112 592	105	200 25	10	1				164.5
11000 TOTAL				14	178	21 8057	92 20968	7975	21 6697	2166	547	26	5				2.8 555.1

Mission 2 - Formation

M155. SEG.	INITIAL A	SCENT															
WE1GHT 9000 10000 11000 TOTAL	LESS	-1.8	-1.9	-0.6	=0.2 1 6 7	0.2 1 46 312 359	1.4 14 115 908 1037	1.8 6 11 53 70	N2 2 • 2 3 3 6 12	2.6 7 7	3.0 1 1	3.8	4.6	2.4	6.6	7.8	TIME HOURS 0.3 6.1 18.9 25.4
₩155. SEG. WE1GHT 7000 8000 9000 10000 1000 7CT4L		-1.8	-1.0	-0.6 1 2 1	-0.2 7 38 16 3 64	0.2 1 268 713 622 67 1671	1.4 3 841 1971 2400 173 5388	1.8 137 648 898 26 1669	N2 2 · 2 3 76 342 365 11 820	2.6 29 103 121 5 298	3.0 15 41 31 1 88	3.6	4.6	5.4	e•6	7,8	TIME HOURS 0.0 11.7 55.9 72.2 6.2 146.0
MISS. SEG. WEIGHT 8000 9000 10000 11000 TOTAL	LESS	-1.8 1 1	-1.0 1	-9.6 4 1 5	=0.2 31 42 1 74	0.2 9 244 360 613	1.4 15 367 394 780	1.8 12 187 224 1 424	N2 2.2 7 109 160 2 278	2.6 10 197 129 292	3.0 10 309 191 1	3.8 4 229 179 1 409	4.6 98 82 180	5.4 2 22 23 47	6.6	7.8	TIME HOURS 19-9 13-4 14-4 0-1 28-9
M155. SFG. WE1GHT 7000 8000 9000 10000 11000 TOTAL	FINAL OFS		-1.0	-0.6	-0.2 17 4 21	0.2 2 999 282 14	1.4 12 2013 750 49 2824	1.8 1 232 120 3	N2 2.2 1 120 71	2.6 1 64 20 1 86	3.0 1 17 7 1 26	3.8	4.6	5.4	6.6	7.8	71ME HOURS 0-2 23-4 16-7 1-6 3-0 41-8
MISS. SEG. WEIGHT 7000 8000 5000 10000 11000 TOTAL		_1.8	-1.0	-0.6 1	*0.2 9 7 2	0.2 5 277 170 26	1.4 10 919 536 79	1.8 8 266 192 42 508	22 2.2 5 264 163 21	2.6 3 99 29 5	3.0 29 3	3.8	4.6	9.4	6.6	7.8	T1MF HCURS 0-2 12-6 1-6 0-0 22-9

Mission 3 - Nav & General

M155. 5EG.	1811	IAL A	SCENT														
WE1GH	fT .																
800	0	E 55	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	N2							
900 1000	0					1	63	13 255	1	1	2.6	3.0	3.8	4.6	5.4	6.6	71M
1100	0				1 2	4	228	664	36 61	14	2	4					0
TOTA	L				3	50 25	1874 2170	7656	306 404	61	20	7	1				33
									404	79	26	12	1				125 163
M155, SEG.																	
WEIGHT		55 -	1 .	-1.0						12							
7000 8000	-			-1.0	•0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	6.4 6.		TIME
9000					18	37 127	1130	3751	410	240	106	33	2		6.	6 7.	8 HOUP:
11000			2	3	10	107	3846 1 3469 1	5173 5613		1519 1986	573 535	165	11	1			74.
TOTAL			2	3	32	13	389	1482 6029	100	47	17	121	6	3	4		503.1
								0024	1021	3795	1231	320	19	4	4		57.6 1047.8
MISS. SEG. 1	44 N.F. 0.45																
	TAMEDAE	,															
WEIGHT	LESS	-1,							NZ								
9000			8 -1	•0 •0	•6 •0			1.4	1.8		2.6 3	.0 3.					TIME
10000				2	6	53 4	11 35	10 770	426	5	6	8	3		6.6	7.8	HOURS
11000 TOTAL			1		2	22 3	21 6		302	248 1	36 1	16 36 95 10					28.6
			2	3	9				5 735 9	3 4	92 9	4	1	1	•		15.8
											,, ,,	23 46	9 18	6 30	2		45.5
155. 5FG. Fi	NAL DES	CENT															
WE 1 GHT	125																
7000	LF55	-1.8	-1.	-0.	6 -0.	2 0.	2 1.	4 1.	N2								
8000 9000					6	3		4	8 1	.0	5		4.6	5.4	6.6	7.8	TIMF HOURS
10000					2 4	1 164	4 447			_	1 86	10	2				1.1
TOTAL						1 12	9 43	3 6	1 3	_	6 22		1				159.4
. ,.=[4	110	683	1696	6 7 196	7 96	1 37							18.4
										• ,	9 112	13	3				288.0
St tec and																	
SS. SEG. PRA	כדיכ≖ נ	0G															
WE1GHT	LESS	-1 - 0	-1.0						N7								
7000 8000	J	- • • 0	-1.0	-0.6	-9.2	0.2	1.4			2.6	3.0	3.8					TIME
9000					14	633	17 2282	13 581	560		1		4.6	5.4	6.6	7.8	HOURS
10000 11000				1	7	179	861	221	191	47	75	3					35.8
TOTAL						6	51 9	18	20		-						15.3
				1	22	835	3220	839	779	293	84	3					0.1
											-	•					52.9

Mission 4 - Administrative

MISS. SEG. WEIGHT 8000 9000 10000 11000 TOTAL	LESS	#1.5	-1.0	-0.6	•° 1	0.2 58 129 187	1.4 4 97 480 581	1.8 13 51 64	NZ 2.2 3 10 13	2.6 2 4 6	3.0 1 3 4	3.8	4.6	5.4	♦. 6	7,8	71ME HOURS 0-1 0-1 3-0 10-2 13-3
MISS. SEG. WEIGHT 8000 9000 10000 11000 TOTAL	LESS	-1.8	÷1.0	-0.6	40.2 1 5	0.2 25 70 81 8	1.4 67 261 223 18 569	1.8 14 34 69 1	NZ 2+2 4 16 32 3 55	2.6 1 1 14 16	3.0 3 1 2 2 8	3.8	4.6	5.4	6.6	7.8	TIME HOURS 2-2 13-7 19-3 1-9 37-2
MISS. DEG. WEIGHT P.000 9000 10000 11000 YOTAL	LE55 2	-1.8 1 34 10 45	-1.0 21 5 26	-0.6 2 7 6 15	-0.2 18 41 4 63	0.2 3 140 1193 98 1434	1.4 24 257 1160 146 1587	1.6 2 97 333 77 509	12 2,2 1 44 179 23 247	2.6 36 98 20 154	3.0 55 124 26 205	3.8 48 91 6 145	4.6 18 33 2 53	5.4 2 6	6.6	7.8	TTTE HOUPS 0.2 5.8 22.4 2.8 31.2
MISS. SFG. WEIGHT 7000 8000 9000 10000 11000 TOTAL	LE55		-1.0	-0.6	-0.2 2 10 2	0.2 116 331 75 522	1.4 3 379 581 200 1163	1.8 46 97 20 1 164	7 2 • 2 2 9 5 m 11 98	2.6 17 23 9	3, C 4 9 4 1 1	3.8	4.6	5.4	6.0	7.8	TIME HOURS 0-1 6-6 3-5 0-1 22-6
MISS. SFG. WEIGHT 8000 9000 10270 11000 TOTAL			-1.0	-0.6	-0.2 1	0, 7 15 14 29	1.4 118 31 6 1	1.8 27 31 8 1 67	1Z 2,2 29 16 2	2.6 8 10	3.0	3,8	4,6	5,4	6.6	7,8	TIME HOURS 1.5 1.5 0.3 0.0

b. T-38 LTF

Mission 1 - Training

MISS. SEG. MEIGHT 9000 10000 11000 707AL		-1.8	-1.0	-0.6	-0.2 2 7 9	0.2 3 22 225 230	1.4 10 49 337 416	1.8 13 58 73	2 2.2 2 10 12	2.6	3.0	3.9	4.6	3,4	6.6	7,8	TIME HOURS 0.2 2.1 11.0 15.5
M155. SEG. KEIGHT 8000 9000 10000 11000 TOTAL	LESS	-1.a	-1•0	-0.6 4	-0.2 3 8 10 2 25	0.2 143 416 291 83 937	1.4 259 795 813 140 1941	1 • 8 40 244 302 80 666	2.2 30 156 203 39 428	2.6 11 23 44 4	3.0 9 11 9 1 24	3.8 1 2 5	4.6	3.4	6.6	7,8	TIME HOURS 2.7 17.5 50.3 8.8 39.3
MISS. SEG. WEIGHT 8000 9000 10000 1707AL	LESS	-1.8 1 1 2 4	-1.0 1 1	-0.6 5 6 1	-0.2 2 18 39 7	0.2 43 286 484 33 850	1.4 70 379 604 35 1086	1.8 12 181 530 53 378	2 - 2 14 87 252 24 357	2.6 4 103 202 27 356	3.0 7 199 318 36 360	3.8 8 127 230 22 587	4.6 5 74 160 10 249	3,4 14 26 1 41	6.6 3 3	7.8	71ME HOURS 0.9 10.9 21.6 2.3 33.7
M155. SFG. WE1GH: 7000 8000 9000 10000 TOTAL	LE55	9CENT ●1 ; C	-1.0	∞ 0,6	-0.2 2 6 5	0.2 1 234 373 675	1.4 3 472 643 191 1511	1.8 76 119 41 250	NZ 2.2 46 41 27 114	2.6 10 15 5 28	3.0 8 5 3 16	3.8	4.6	5.4	6.6	7.8	TIME HOURS 0.0 6.2 15.6 5.3 25.1
M135. 3EG. WE1GH1 8000 9000 10000 11000 707AU	LESS	L06 -1.8	-1.0	=0.6	-0.2 5 7 6	0.2 529 453 139 3	1.4 468 609 181 18 1276	1.8 149 970 150 10 659	12 2,2 153 292 38 3	2.6 46 53 13 1113	3.0 6 20 6	3.6	4.6	3.4	6,6	7,8	11MF HOUR3 7.0 13.9 4.6 0.3 26.0

Mission 2 - Formation

M155. SEG. NEIGHT 10000 11000 TOTAL	LESS		-1.0	- 0.6	-0.2	0.2	1.4 3 9 12	1.8 2.2 1	2.6	3.0	3.8	4.6	5.4	6.6	7.8	71MF POUPS 0-1 0-2 0-3
₩:55. SFG. ₩E1GHT 9000 10060 11000 70TAL		-1.8	-1.0	-0.6	-0.2	0.2 19 28 6 53	1.4 65 45 122	N2 1+8 2+2 6 5 9 6 2 17 9	2.6 1 1	3.0	3,8	4.6	5.4	6.6	7.8	TIME HOURS 1.2 1.4 0.5 3.1
⊮155, SEG. WE1GHT 10000 YOTAL	LESS	-1.8	-1.0	-0.6	-0.2	0.2	1,4	1+8 2+2 3 3 3 3	2.6	3.0 2 2	3.8	4.6	5.4	6.6	7.8	TIME HOURS 0.2 0.2
M155. SEG. WE1GHT 9000 10000 TOTAL	FINAL DES		-1.0	-0.6	-0.2	0.2	1.4	N2 1.8 2.2 2 1 1 3 1	2.6 2 2	3.0	3.8	4.6	5.4	6.6	7.8	TIME HOURS 0.2 0.1 0.3
M155. SFG. WEIGHT 8000 9000 10000 TOTAL		∟0G -1.8	-1.0	-0.6	-0.2	0.2	1.4 2 6 4 12	N2 1.8 2.2	2.6	3.0	3.8	4.6	5.4	6.6	7,8	TIME HOURS 0.1 0.3 0.1 0.4

Mission 3 - Nav & General

															,		
#155. SEG.	INITIA	L ASC	NY														
WEIGH																	
800	LE	55 -1	.8 -1	.0 -0.	6 -0.2	0.2	1 -4	1.4	NZ 2.2	2.6	3.0		_				TIME
900	ŏ					47	2				, ,,(3.	8 4.	6 5.	4 5.	6 7.8	HOUP 9
1000	D D				2	26	3.0		3 1		1	i					0.9
TOTAL					2 9 7	204	334 448	30) 6	. 3	1						13.1
							440	•,	, 11	. 3	1						16.4
W150 000																	
M155. SEG.																	
WEIGHT									NZ								
8000		., -1.	8 -1.	0 -0.6	-0.2	0.Z	244	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIME HOUF 3
9000 10000				4 2	22	467	1312	16 269	135	55	22	2					7.0
11000				1	5	480 112	1343	348	204	68	19	_					31.1
TOTAL				7	31	1173	3028	644	363	130	43	2					9.8
																	,,,,,,
M153. SEG.	MANEUVER	,															
WEIGHT																	
	LESS	-1.6	-1.0	-0.6	-0.2	0.2	1.4	1.8	2.2								TIME
8000 9000			1	1	1	4	14	8	6	2.6	3.0	3.8	4.6	5.4	6.6	7.8	HOUR 3
10000				1	3 2	37	54 13	33 23	24	35	18	15	2	3			2.9
TOTAL			1	2	6	49	01	64	1 45								0.9
							٠.		•3	58	77	20	2	3			4.2
M135. 3E1. F	INAL DE	SCENT															
WETGH								N.	,								
7000	C622	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIME
9000 0008					7	370	680	112	65	21	4		•-	•	0.0	' • 0	0.0
100 30					6	284	470	10	31	8	8						16.3 13.8
11030 TOTAL					2	7	7	1	1	5	1						3.6
					18	698 }	215	178	106	34	13						0.1 33.8
4135. SFG. PR	ACTICE L	DG															
WEIGHT																	
8000	LESS	-1.8	-1.0	-0.6	0.2	0.2	1.4	1.8 N2		2.6	3.0						TIME
9000					1	50 17	91	39	27	12	6	3.8	4.6	5.4	5.6	7.8	HOUPS
TOTAL					1		22 113	30 69	15	14	6						1.7
											-						2.8

TABLE VII (Concluded)

Mission 4 - Administrative

M135. 3EG.	INITIAL	ASCENT	,														
WEIGHT																	
10000 11000 TOTAL	LES	3 -1.8	-1.	-0.6	-0.2	999	2	7	7.2	? 2.6	3.0	3	8 4.0	5 5.4	6 6.	6 7.8	TIME HOUP: 0.: 1.0
M135. 3EG. (PUISE																
WEIGHT									N2								
8000 9000 10000 11000 TOTAL	CESS	-1.8	-1.0	-0.6	1 1 2	0.2 27 43 3 73	1.4 60 69 15 5 149	1.8 9 6 1	1 T	2.6	3.0 2	3.6	4.6	3,4	6.6	7.8	TIME HOURS 0.4 1.3 1.7 0.5 4.0
M135. 3EG. M	ANEUVER																
WEIGHT																	
9000 10000 10000	LE35	1 1	•1.0 3	-0.6 4	-0.2 12	0.2 41 143	1.4 60 131	1.8 24 33	2.2 10 18	2.6 3 T	3.0	3.8	4.6	3.4	6.6	7.8	TIME HOURS 0.9
TOTAL		ż	3	4	14	20 204	230	64	32	13	12	1 2	3	1			2.0 0.4 3.3
MISS, SFG. FIA	IAL OECEN	i T															
WEIGHT	LESS	-1.6	-1.0	-0.6	•0•2	0.2		N2									
R000 9000 10000 TOTAL					1	67 29 12 108	1.4 132 62 2T 271	1.6 13 8 12 33	2 · 2 3 2 11 16	2.6 1 1 1 3	3.0 l	3.6	4.6	3.4	6.6	T.8	TIME HOUR3 0.8 1.0 0.8 2.6
1155. 3EG. PRJ	ACTICE LO	og															
WEIGHT	LE33 .	1.8 -	1.0 .	0.6				N2									
9000 TOTAL		•		V . B . w (0.2 (1 1	5 5	1 1	2.2	2.6	3.0	3.8	4.6	3,4	6,6	T.8	TIME HOURS 0.1 0.1

TABLE VIII Frequencies of n_Z Peaks in n_Z versus Equivalent Airspeed Intervals by Altitude and Gross Weight for Each Mission Type

a. T-38 Regular

Mission 1 - Training

#15510N	1	wΕ	I GHT	7000	AL	T11U0E	20	00									
VE AIRSPEED	LESS	-1.8	-1.0	-0,6	-0.2	0.2	1.4	1.8	2,2	2,6	3.0	3.8	4.6	5,4	6.6	7.8	TIME
LE55 100 150 200 250 300 350 451 450						6	42 15 12	20 10 3	1 13 8	3	1 2						0.0 0.8 0.3 0.2
500 550 625 700 TOTAL						16	69	33	22	7	3						1.3
×155101.	1	₩E	1GHT	7000	A	TITUOE	50	00	Į1								TIME
VE AIRSPEED	LESS	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	2.2	2,6	3.0	3,0	4.6	5.4	6,6	7.8	HOUR5
LE55 100 150 200 250 300 400 450									1	1							0.0
550 625																	
700 TOTAL									1	1							0.0
F15510N	1	wt	I GHY	8000		LTITUDE	L	E 55									7100
VE AIRSPEED		-1.8		.0.6	.0,2	0.2	1.4		NZ 2.2	≟.6	3.0	3,0	4,6	5.4	6. 6	7.8	TIME HOURS
VE AIRSPEED LESS 160 150 200 250 300 350 400									NZ 2,2 2	≟.6	3.0	3.6	4,6	5.4	6. 6	7.8	714E MOUR5 0.0 0.2 0.6 0.0
VE AIRSPEED LESS 100 150 200 300 350 400 450 500 550 625						0,2	112	1.8	2,2	≥.6		3.0	4.6	5.4	6. 6	7,8	0.0 0.2 0.6 0.0
VE AIRSPEED LESS 160 150 200 250 300 350 400 550						0,2	112	1.8	2,2	≟.6		3.6	4,6	5.4	6. 6	7,8	0.0 0.2 0.6
VE AIRSPEED LESS 100 150 200 250 300 350 400 450 550 625 700		-1.8			- 0.2	0.2 6 7	1.4 112 335 9	1.8	2,2	≥.6	1	3.0	4.6	5.4	*. 6	7.8	0.0 0.2 0.6 0.0
VE AIRSPEED LESS 100 150 200 300 350 400 450 500 500 500 TOTAL MISSION	LE55	-1.8	€1.0	.0.6 BOC:	~ 0,2	0.2	1.4 112 335 9	3 5	2.2	2.6	1	3.8	•.•	5.4	•.6	7.8	0.0 0.2 0.6 0.0
VE AIRSPEED LESS 150 200 250 300 350 400 450 500 500 500 707AL	LE55	w1.8	€1.0	.0.6 BOC:	~ 0,2	0.2 6 7	1.4 112 335 9	1.8	2,2 2		1						0.0 0.2 0.6 0.0

-155104	1	μĒ	1647	P000		LTITUE	E 2	000									
VF AIRSPELD	+ F55	-1.a	-1.0	_C.6	-0.2	0.2	1.4	1.8	NZ 2.2	2.6	3.0	3.8	4.6	5.4	4.6	7.8	T1MF HOURS
LE55 100	[[]					•••	5	•••	•••		•••			•	•••		0.9
150 200				1	10	290 1220	2681 3289	1100	1446	482	100	4					34.0 74.8
250 300			2	P	111 10	498	10274	2682 172	2384 152	1121	282 35	15	2				95.1 6.0
350 400						21	10	2	1	1	1	1					0.1
450 500																	
550 625																	
730 TOTAL			2	ç	139	7333	17700	4930	4074	1666	419	23	4				210.9
M1551.74	1	"E	1G⊢T	* 000		L T1TU	e •	icco									
VE AIRSPEED								.003	N2								TIME
LESS	LE55	-1.8	-1.0	_0.6	-0.2	0.2	1.4	i + 8	2.2	2,6	3.0	3,6	4.6	5,4	6.5	7.6	HOURS
100 150				1	9	200	1 C 317										0.3
260 250					19 30	293 1053	2069	4p 241	134	15	23	2					13.9
300 350					5	168	412	39	3	6							3.0
460 45 0									1								0.0
500 550																	
625 700 TOTAL					_												
				1	53	1721	3445	358	190	65	30	2					46.1
F15510N	1	иE	1G⊢T	8000	A	LTITUD	E 10	000									
VE AIRSPEED	LESS	-1.8	-1.0	.C.6	-0.2	0,2	1.4	1.8	N2 2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIME HOURS
LE55 100																	0.0
150 200						4	1 6										0.0
250 300					1	33 12	38	3	4	3	3	1	1				4,3
350 400					1	3	9	5	1	5	3	2	5	1			0.1
453 500											1	3	1				0.0
550 625																	
700 Total					3	52	98	10	5	8	6	6	11	1			6.1
+ I \$510r-	1	wE	1G⊬T	8000	A	LTITUD	E 15	000									
VE AIRUPEED	LESS	-1.8	-1.0	.0.6	-0.2	0.2	1,4	1.8	N2 2.2	2,6	3.0	3.6	4.6	5.4	6.6	7.8	TIME
LESS 100							5							-			0.0
150 200					1	11	8	2	1								0.0
250 300					1 2 5 5	27	62 32	7	10	4	10	12	1 6				2.2
350 400					5	25	1	11	1	5	40	6	5	1	1		0.5
450 500						2	2	1		1	1	2	1				0.0
550 625 700																	
TOTAL					13	112	119	28	17	11	29	29	15	2	1		8.3

M1551CA																	
	i		mE I G⊷1	7 PO	oc	AL71T	UDE .	20000									
VE AIRSPEED	LE	55 -1.	a -1.	.0 .0.	6 -0.				ΝZ								
LE55 100					o =0.	2 0.	2 1.4	1.0	2.	2 2.6	3.0	0 3.6	4.6	5.4		4 7.8	71MF HOURS
150 200					1	1	3	L L									
250						21	8 39	•				2					0.0
300 350					1 2	5	1 151		12		4	. 5					0.1 2.7 10.7
400 450						2	2 4	1		5			2				4.2
500													-				0.2
550 625																	
700																	
TOTAL					4	208	285	23	27	23	18	13	2				
w15510N	ì		EIG∺T														17.9
VE AIRSPEED	•	-	r 10-1	P 00	0 /	ALTITU	C€ 3	0000									
	LES	5 -1.8	-1.0	-0.6	-0.3			1	N2								
LE55 100				• • • •	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.5	5.4	6.6	7.8	71ME HOURS
150																	HOUNG
200 250						2	4	1		1							0.0
300 350					1	± 2 6	21 12	10	2	1							0.2
400						·		y	2	1							0.1
450 500																	0.0
550																	
625 700																	
TOTAL					2	22	37	20	4	3							
* 15510N							-	•••	-	,							0.9
	1	#E	1 GHT	9000) A	L71TUD	E L	F55									
VE AIRSPEED	F55	-1.8	-1.0					,	٧Z								
LESS	(1.77	-1.8	-1,0	-0.6	-0.2	0.2	1.4	1.8	2,? NZ	2.6	3.0	3.8	4.6	5.4	6.6	7.8	7IME HOURS
100 150																	HOURS
200 250						1	302	2									0.0
300							3	•									0.4
350 400																	0.0
450																	
500 550																	
625 700																	
TOTAL						2	354										
						•	154	4									0.6
#15510N	1	#E [GHT	9000	AL	TITUDE	10	00									
VE AIRSPEED																	
LESS	LE55	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8 N	2.2	2.6	3.0	3.6	4.6				TIME
100 150							1						7.0	5.4	6.6	7.8	HOURS
200					1	97	1062	99	7								0.2
250 300						164	585 312	22	5	5	3						7.5 17.8
350						23	8 39	1		,	1 2						2.4
407 450						.,	2	6	2		2						0.0
500 550											•						0.0
625																	
700 TOTAL																	
					1	332 2	2009	140	18	10	10						27.0
																	27.9

~1551Cr.	1		ÉIGHT	900		4 717											
VE AIRSPEED	•	•		400	10	ALT1T	JC <u>z</u>	2.00									
LESS	LES	-1.6	-1.0	-0.6	-0.2	0.2	1.4	1.0	NZ 2.2	2.	6 3.	0 3.8					TIME
1.0								-		••	. ,	·	4.6	5,4	6.6	7.8	HOUR 5
150 200					3		2180	81	77		5						0.3
250				4	11		4063	156	1512	34	5 6	9 1					30.9 93.8
300				-	97 25	4870	11265	3379	2807	94	3 23		1				127.6
350 400					3	42	105	é	. 2	7	4 20	6 4		2			9.1
450					1	11		12			2		1				0.2
5c0							2	1									
550 625																	
700																	
TOTAL				4	140	7048	19712	6022	4592	1374	4 33	16	2	2			261.7
~1551C+.	1		EIGHT	900	0	ALT17U	DE !	50 0 0									
VE AIRSPEED																	
1.555	i E 5 5	-1.8	-1.0	-0.6	-0.2	0.2	:.4	1.8	2.2	2.6	3.0					-	TIME
LE55 100										- • •	, ,,,,	3.8	4.6	5.4	6.6	7.8	HOURS
150					2	2 85	14 152										0.2
200 250				1	8	308	632	17 63	53	17	6	1					4.1
300				2	34	1264	2642	353	212	71	. 18	4					14.9
350				•	í	22B	675 52	55 16	30 5	13				1			7.3
460 450						2	4	1	1	4		1 2	1	1			0.5
500						1	1	1				1	•	•	1		0.1
550						3	2	1							-		0.1
625 700																	
TOTAL				5	52	1907	4174	507	302	107	31	13	1	3	1		68.1
MISSION	1	wE	1GHT	9000		LTITUE	E 10	000									
VE SIRSPEED									N 7								
LES5	LES5	-1.5	-1.0	-0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6		TIME
100						6				•	-	- • •		,,,	0.0	7.8	HOURS 0.0
150					1	6	12	7	1								0.1
200 250					2	16	23	8	11	8		1					0.5
300					5 8	93	196	37 48	23 40	21		25	5	1			13.0
350 400				2	6	34	64	34	30	19 24	78	63	27 64	33	2		7.6
450			1	2	5	34	41	20	23	22	54	91	97	52	4		2.6
500					i	30 6	25	16	11	12	14	51	48	36	1		1.8
550 625						-	•	•	•	,	14	8	9	3			0.3
700																	
TOTAL		1	1	4	31	305	585	171	140	109	312	318	250	133	v		30,1
~15510N	1	wE	IGHT	9000	A	LTĪTUD	E 150	000									
VE AIPSPEED																	
1500	LESS	-1.8	-1.0	0.6	-0.2	0.2	1.4	1.8	7.2	2.6	3.0	3.8	4.6				TIME
LE55 100											3.0	3.0	0	5.4	6.6	7.e	HOURS
150					7	273 123	110	101									0.0
200 250				1	12	111	173	89	62	34	1 39	7	2				5.0
300			1 2	3	34 35	260 269	415	145	127	120	208	113	54	4			6.7 24.6
350				4	22	104	458	213 67	165	192	409	398	276	36			22.7
400 450			1	1	1.1	70	59	25	36	51	173	400 208	177	52 19			9.4
500		1		1	3	22	13	9	6	17	56	40	14	5	1	1	0.9
550									1	3	2	2			-		0.0
625 7c0																	
TOTAL		1	4	16	128	1232	1829	653	488	540	1252	1168	415				
												4 1 0 5	615	116	1	1	76.4

-15510h	1		KE IGHT	900	0	ALTITU	JOE 2	0000									
VE AIRSPEED																	
LESS	LES	5 -1.	8 -1.	0 -0.6		0.2	1.4	1.0	N2 2.2	2.6	3.0	3.8	4.6	5, 4	6.6	7.9	TIME HOURS
100 150				1	6	4.6		4									0.0
200				1 2	33 53	182	159	179	10	4	. 1						0.4 3.0 25.7
250 300			2	5	74	1002	1940	619	343	261	37 255	113	23				25.7
350		1	l I	1 3	46	691	1634	569	370	276	378	176	43	3			91.1
400 450					2	6		7	83 11	93 16	174 23	70	12	1			40.3
500									1	1			4				0.9
550 625																	•••
700																	
TOTAL		3	:	3 19	225	2459	4378	1493	915	737	868	383	82	4			187.0
MISSION	1		EIGHT														•
	1		ic I dw I	900		LTITU	DE 30	0000									
VE AIRSPEED	LESS								N2								
LESS	L. J.	-1.0	-1.0	-0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIME
100 150							2								•••		HOURS 0.0
200					1 5	15 123	37	8	3								0.0
250 300			1		14	302	258 888	119 321	62	15	11						8.5
350				2	10	119	388	134	71	19	5	ı					22.8
400 450						•	,	1	1	1							7.6
500																	
550 625																	
700																	
TOTAL			1	5	30	561	1376	583	316	89	1 a	1					
										•	••						39.6
* 15510N	1	w E	IGHT	9000	A	TITUO	€ 400										
VE AIRSPEED							• •00	000									
	LESS	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	12								TIME
LESS 100					•	•••		4 . 6	2.2	2.6	3.0	3.8	4.6	5.4	4.6	7.8	HOURS
150																	
200 250						3	1										0.1
300						1	1										0.7
350 400																	0.4
450																	
500 550																	
625																	
700 TOTAL																	
						4	2										
																	1.1
*15510N	1	wE :	GHT	10000	1	TITUDE	LF!	55									
VF AIRSPEED																	
LESS	LESS	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8 N2	2.2	2.6	3.0	3.8	4.6	5.4			TIME
100											•	•••			6.6	7.8	HOUR 3
150 200							38										
250							55										0.0
300 350							•										0.0
400																	
450 500																	
550																	
625 700																	
TOTAL																	
							95										0.1

₩1551Cr.	1	wE	IG⊢T	,0000	A	LTITUD	E 1	nco									
VE AIRSPEED									ΝZ								TIME
	LESS	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	2.2	2.5	3.0	3.8	4.5	5.4	6.6	7.8	HOURS
LESS 100																	0.0
150					1	16	249	21	1								2.5
200					1	25	166	12	4								4.9
250 300						5	40	3									0.6
350						16	10		1								0.0
400																	
450 500																	
550																	
625																	
700 TOTAL					2	64	448	36	6								• •
12,72					-	64		36	•								8.0
+1551CH	1	w£	! G+T	10000	A	LT1TUD	E 2	000									
VF & LOSPEED									NZ.	•	• •						TIME
LESS	LESS	-1.8	-1.0	-0.6	-0.2	0,2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	HOURS
100																	0.0
150					1	46	664	171	11	1	1						11.6
200 250					2 16	272 1022	1442 2718	525 1575	317 1638	227	50	2					35.2
300			2		5	157	581	94	64	14	3	1					4.7
350					5	42	38	5	2	1	1		1				0.2
400						38	41	8			1						0.1
450 500																	
550																	
625																	
700 707AL			2		27	1577	54.64	2378	1632	277	64	3	1				100.1
			-		• '		0-	-310			7	-					
-15510r.	1	"E	1G⊢T	10000		LTITUC)E !	1000									
15510H.	_								NZ 2.2	2.6	3.0	3.4	4.6	5.4	6.6	7.8	TIME
	_	"E		10000	-0,2	0.2)E !	1.6	NZ 2,2	2.6	3,0	3,8	4.6	5.4	6.6	7.8	TIME HOURS
V# 41R5PEED LCS5 100	_					0.2	1.4	1.5	NZ 2,2	2.6	3,0	3,8	4.6	5,4	6.6	7.8	HOUR S
46 A1RSPEED LCSS 100 150	_				-0,2	0.2	1.4	1.0	2,2			3,8	4.6	5,4	6.6	7.8	HOURS
VF 41R5PEED LCS5 100 150 200	_					0.2 5 73 726	1.4 18 225	1.5	NZ 2,2 12 118	2	3.0	3,8	4.6	5,4	6.6	7.8	1.8 6.8
V7 A1RSPEED LCSS 100 150 200 250 300	_			-n.6	-0,2 1	0.2 5 73 726 108	1.4 18 225 141¢ 331	1.c	12 118 16	28 2	2 4 3	1		5.4	6.6	7.8	1.8 6.8 18.4 5.7
97 41RSPEED LCS5 100 150 200 250 300 350	_			-0.6	-0,2	0.2 5 73 726 108	1.4 18 225 141¢ 331 13	1.c	12 118 16 2	2 28 2 1	2 4 3 5		1		6.6	7.8	1.8 6.8 18.4 5.7 0.4
V7 41R5PEED 100 150 200 250 300 350 400	_			-n.6	-0.2	0.2 5 73 726 108	1.4 18 225 141¢ 331	1.c	12 118 16	28 2	2 4 3	1		5,4	6.6	7,8	1.8 6.8 18.6 5.7 0.4 0.2
VF #1RSPEED LCSS 100 150 200 250 300 350 400 450 500	_			-n.6	-0,2	0.2 5 73 726 108	1.4 18 225 1419 331 13	1.c	12 118 16 2	2 28 2 1	2 4 3 5 2	1 1	1 2		6.6	7.8	1.8 6.8 18.4 5.7
47 A1RSPEED LCSS 100 150 200 250 300 350 400 450 500	_			-n.6	-0.2	0.2 5 73 726 108	1.4 18 225 1419 331 13	1.c	12 118 16 2	2 28 2 1	2 4 3 5 2	1 1	1 2		6.6	7.8	1.8 6.8 18.6 5.7 0.4 0.2 0.0
V7 41RSPEED LCS5 100 150 200 250 300 350 400 450 500 625 700	_			-n.6	-0.2	0.2 5 73 726 108	1.4 18 225 1419 331 13	1.c	12 118 16 2	2 28 2 1	2 4 3 5 2	1 1	1 2		6.6	7.8	1.8 6.8 18.6 5.7 0.4 0.2 0.0
47 A1RSPEED LCSS 100 150 200 250 300 350 400 450 500	_			-n.6	-0.2	0.2 5 73 726 108 6 2	1.4 18 225 1419 331 13	1.c	12 118 16 2	2 28 2 1	2 4 3 5 2	1 1	1 2		6.6	7,8	1.8 6.8 18.6 5.7 0.4 0.2 0.0
V7 41RSPEED LCS5 100 150 200 250 300 350 400 450 500 625 700	_	-1.9		1	-0.2 1 13 4 2	0.2 5 73 726 108 6 2	1.4 18 225 141¢ 331 13 5 4	1 19 174 51 3 2 2	12 118 16 2 1	2 28 2 1 1	2 4 3 5 2 1	1 1 2	1 2 2	1	6.6	7.8	1.8 6.8 18.4 5.7 0.4 0.2 0.0
VF 21RSPEED LCSS 100 150 200 300 350 400 450 550 625 700 TOTAL	(655	~1.9	-1.0	-n.6	-0.2	0.2 5 73 726 108 6 2 3	1.4 18 225 1419 331 13 5 4	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12 118 16 2 1 1	2 28 2 1 1 1	2 4 3 5 2 1	1 1 2	1 2 2	1	6.6	7.8	1.8 6.8 18.4 5.7 0.4 0.2 0.0 0.0
VF AIRSPEED LCSS 100 150 200 300 350 400 450 550 625 700 70TAL VF AIRSPEED	(655	-1.9	-1.0	-n.6	-0.2 1 13 4 2	0.2 5 73 726 108 6 2 3	1.4 18 225 141¢ 331 13 5 4	1 19 174 51 3 2 2 2 2 2 2 5 2	12 118 16 2 1 1	2 28 2 1 1	2 4 3 5 2 1	1 1 2	1 2 2	1	6.6	7.8	1.8 6.8 18.4 5.7 0.4 0.2 0.0 0.0
VF AIRSPEED LCSS 100 150 200 250 300 400 450 650 650 675 700 70TAL PISSION	(655	~1.9	-1.0	-n.6	-0.2 1 13 4 2 20	0.2 5 73 726 108 6 2 3	1.4 18 225 1419 331 13 5 4 2015	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12 118 16 2 1 1	2 28 2 1 1 1	2 4 3 5 2 1	1 1 2 2	1 2 2	1			1.8 6.8 18.6 5.7 0.4 0.2 0.0 0.0
VF AIRSPEED LCSS 100 150 200 300 350 400 650 550 625 700 70TAL PISSION VF AIRSPEED LFSS 100	(655	~1.9	-1.0	-n.6	-0.2 1 13 6 2 20	0.2 5 73 726 108 6 2 3	1.4 18 225 1410 331 13 5 4 2015 DE 1	1.c 119 174 51 3 2 2 252	12 118 16 2 1 1 150	2 28 2 1 1 1	2 4 3 5 2 1	1 1 2 2	1 2 2	1			1.8 6.8 18.4 5.7 0.6 0.2 0.0 0.0
VF &1RSPEED LCSS 100 150 200 200 300 350 450 550 625 700 707AL PISSIO: VF &1RSPEED LFSS 100 150 250	(655	~1.9	-1.0	-n.6	-0.2 1 13 4 2 20	0.2 573 726 108 62 3 923 ALTITUE	1.4 18 225 1416 331 13 5 4 2015 DE 1	1.e 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12 118 16 2 1 1 1 150	2 28 2 1 1 1 1 35	2 4 3 5 2 1 1 7 7 5 0 5	1 1 2 2 4 4	5	1			1.8 6.8 18.6 0.2 0.0 0.0 0.0 0.0 33.3
VF AIRSPEED LCSS 100 150 200 300 350 400 450 550 625 700 70TAL PISSION VF AIRSPEED LESS 100 250 250 250 250 250 250 250 250 250 2	(655	-1.8	-1.0	-0.6 1 1 1 10000	-0.2 1 13 4 2 20 -0.2 1 20 20	0.2 5 73 726 108 6 2 3 923 4LTITUE C.2 10 27 16 41	1.4 18 225 1416 331 13 5 5 4 2015 DE 1	1.e 1 19 179 174 51 3 2 2 2 2 252	12 118 16 2 1 1 1 150	2 2 2 2 1 1 1 1 3 5	24 3 5 5 2 1 1 7 7 5 6 9	3.6	5	1 4 4 1			1.8 6.8 18.4 5.7 0.4 0.2 0.0 0.0 33.3
VF #1RSPEED LCSS 100 150 200 300 350 400 450 500 550 625 700 VOTAL P15510: VF #1RSPEED LESS 100 150 250 360 360 360 360 360 360	(655	~1.9	-1.0	-n.6	-0.2 1 13.3 4 2 20 -0.2 1 2 8 8 10 10 15	0.2 573 726 108 62 3 923 ALTITUE	1.4 18 225 1416 331 13 5 4 2015 DE 1	1.e 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12 118 16 2 1 1 150 NZ 2-2	2 28 2 1 1 1 1 35 5 5 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6	24 33 55 21 17	3.6	5	1	6,6		1.8 6.8 18.4 5.7 0.4 0.2 0.0 0.0 0.0 33.3
VF AIRSPEED LCSS 100 150 200 200 300 350 400 550 625 70TAL PISSIO*, VF AIRSPEED LESS 100 150 200 200 200 200 200 200 200 200 200 2	(655	-1.8	-1.0	-0.6 1 1 1 10000	-0.2 1 1 2 2 20 -0.2 1 1 2 8 10 15 15 15 15 15 15 15 16 16 16 16 16 16 16 16 16 16	0.2 53 726 108 6 6 2 3 923 0.2 10 10 10 10 10 10 10 10 10 10	1.4 18 225 245 331 13 35 4 2015 2015	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12 118 16 2 1 1 1 150 NZ 2-2 2-2 6 21 40 87 93	2 28 2 1 1 1 1 35 35 2	2 4 3 5 2 1 17 3.0 69 166 260 131	1 1 2 4 44 158 250 243	1 2 2 5 4 4 6 1 1 4 9 1 1 8 4	1 4 4 1			1.8 6.8 18.4 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
VF AIRSPEED LCSS 100 150 200 300 350 450 450 625 703 707AL PISSIO: VF AIRSPEED LFSS 100 150 250 360 450 450	(655	-1.8	-1.0	-0.6 1 1 10000 -0.6	-0.2 1 133 4 2 20 -0.2 2 8 1 10 15 25 50	0,2 5 73 726 6 2 3 923 923 10 0.2 10 27 16 41 17 17 10 10 10 10 10 10 10 10 10 10	1.4 2255 141¢ 331 13 5 4 2015 2015 11 14 8 81 4 17 17 17 17 17 17 17 18 6 85 65 65 65	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12 118 16 2 1 1 1 150 NZ 2-2 6 21 40 87 93 49	2 28 2 1 1 1 1 1 3 3 5 3 6 6 100 5 2 7	2 4 3 5 5 2 1 1 1 7 7 5 • 0 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	1 1 2 4 4 45 250 243	1 2 2 5 4.6 1.5 4.9 114 1.73	1 8 40 41 19	4:4 2 2 1		1.8 6.8 18.6 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
VF 41RSPEED LCS5 100 150 200 250 300 350 400 550 625 700 70TAL PISSIO*, VF 41RSPEED LFSS 100 200 250 360 360 450 450 450 625 700 70TAL	(655	-1.8	-1.0	-0.6 1 1 1 10000	-0.2 1 1 2 2 20 -0.2 1 1 2 8 10 15 15 15 15 15 15 15 16 16 16 16 16 16 16 16 16 16	0.2 5 7 726 108 6 6 2 3 3 923 44 TITU(27 16 41 79 120 123 123 123 123 123 123 123 123 123 123	1.4 18 225 245 331 13 35 4 2015 2015	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12 118 16 2 1 1 1 150 NZ 2-2 2-2 6 21 40 87 93	2 28 2 1 1 1 1 35 35 2	2 4 3 5 2 1 17 3.0 69 166 260 131	1 1 2 4 44 158 250 243	1 2 2 5 4 4 6 1 1 4 9 1 1 8 4	1 1 1 8 40 41	A:A		1.8 6.8 18.6 5.7 0.4 0.2 0.0 0.0 0.0 33.3 71MF HOURS 0.0 0.1 1.3 1.7 8.0 11.0 7.6
VF #1RSPEED LCSS 100 150 200 300 350 400 450 550 625 700 VOTAL P15510: VF #1RSPEED LFSS 100 150 200 350 450 450 560 570 570 570 450 625	(655	-1.8	-1.0	-0.6 1 1 1 10000	-0.2 1 133 4 2 20 -0.2 2 8 1 10 15 25 50	0,2 5 73 726 6 2 3 923 923 10 0.2 10 27 16 41 17 17 10 10 10 10 10 10 10 10 10 10	1.4 2255 141¢ 331 13 5 4 2015 2015 11 14 8 81 4 17 17 17 17 17 17 17 18 6 85 65 65 65	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12 118 16 2 1 1 1 150 NZ 2-2 6 21 40 87 93 49	2 28 2 1 1 1 1 1 3 3 5 3 6 6 100 5 2 7	2 4 3 5 5 2 1 1 1 7 7 5 • 0 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	1 1 2 4 4 45 250 243	1 2 2 5 4.6 1.5 4.9 114 1.73	1 8 40 41 19	4:4 2 2 1		1.8 6.8 18.6 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
VF &1RSPEED LCS5 100 150 200 250 300 350 400 550 625 700 707AL PISSIO*, VF &1RSPEED LFS5 100 150 200 200 200 200 200 200 200 200 200 2	(655	-1.8	-1.0	-0.6 1 1 1 10000	-0.2 1 133 4 2 20 -0.2 2 8 1 10 15 25 50	0,2 5 73 726 6 2 3 923 923 10 0.2 10 27 16 41 17 17 10 10 10 10 10 10 10 10 10 10	1.4 2255 141¢ 331 13 5 4 2015 2015 11 14 8 81 4 17 17 17 17 17 17 17 18 6 85 65 65 65	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12 118 16 2 1 1 1 150 NZ 2-2 6 21 40 87 93 49	2 28 2 1 1 1 1 1 3 3 5 3 6 6 100 5 2 7	2 4 3 5 5 2 1 1 1 7 7 5 • 0 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	1 1 2 4 4 45 250 243	1 2 2 5 4.6 1.5 4.9 114 1.73	1 8 40 41 19	4:4 2 2 1		1.8 6.8 18.6 5.7 0.4 0.2 0.0 0.0 0.0 33.3 71MF HOURS 0.0 0.1 1.3 1.7 8.0 11.0 7.6

+1e51o.																	
*15510N	1		WE I GHT	1000	00	ALTIT	UDE	15000									
VE FIRSPEED									N2								
LESS	Les	55 -1.	ē -1,	.0 -0.6	-0.			4 1.	B 2.	2 2.6	5 3.0	э.	8 4.				TIME
100 150				1		103	6 5 36	5 1.	,			•	٠ ٠.	6 5.	4 6.	6 7.8	0.0
200				1	23	41	169	8 410	3		,						3.5
250 300				1 1	28	32:	2 40			3 56	42	1.	2	3	1		20.4
350				2 3	50	356	486	440	34		350		7 6	8	5		21.1 31.8
4C0			-	1 2	42 18			204	22	6 259	480					1	35.8
450 500				•	*2	153	186	83	7.		159	176	5 6	•			17.5
550							1			21	19		•	3			1.0
625											•						0.0
700 TOTAL			2 ,	6 7													
				6 7	201	2935	4261	2013	1313	1031	1697	1334	670	107	. 1		
M13510N	1		B + C = 2											,			137.8
VE AIRSPEED	•	•	EIGHT	10000	,	ALT1TU	DE 2	0000									
	LE33	-1.8	-1.0						NZ								
LE53 100		0	-1.0	1 -7.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5,4		-	TIME
150				1	13	134	37	7			•			3,4	6,6	7.8	HOURS
200			1	3	75	520	491	133	15	4	1						0.1
250 300		1	1		98 68	884	776 2135	483	231	95	44	10	2				7.8
350		3	1	6	52	666	4120	969	637	316 307	252	72	24				38.9
400		•	1	2	12	110	247	135	89	88	269 81	75 22	33	2			112.2
450 500						1	10	9	9	6	12	3	•				12.1
550						•					1						0.5
625 700																	0.0
TOTAL		5	4														
		•	•	19	318	3172	5614	2726	1598	814	660	182	63	2			
115510r.													•••	•			272.2
	1	#E	1GHT	10000	AL	TITUDE	300	000									
VE AIRSPEED								_									
LESS	L E 5 5	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	2,2	2.6	3.0						TIME
100						7			- • -	- 60	3.0	3.8	4.6	5.4	5.6	7.8	HOURS
150 200					. 5	26	30	11	2								0.0
250			1	2	10	250	709	322	172	35	3						0.1
300 350			•	2	28 12	645 246	2646	1003 377	566	120	14	1					27.0
400						2	11	5	171	42	12	4	2	1			75.7
450 ;								•	-	2	1	2					0.3
500 550 ;																	
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TOTAL																	
,0,4L			2	8	61 1	176	574	1718	915	199	30	7	2				
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~15510h	1	WEI	GHT	10000	At v	TTUCE											
VE ALROPEE						TIVLE	4 000	00									
LESS	LE55	-1.8	-1.0	-0.6 -	0.2	0.2	1.4	NZ									
10					- • • •			1.8	2.2	2.6	3.0	3.6	4.6	5.4	6.6	7.8	TIME
1'0																	MUU# 5
2 · 0			1		1	9	1 1	2	-								0.0
300						8	10	4	3	1	1	1					0.0
?50						â			1	•	•						0.9
400 450																	0.0
500																	
550 625																	
766																	
Y 45																	
TOTAL			1		1	20											
:014			1		1	20	22	6	6	2	1	1					2.0

	F15510K	Ť	wE	1GHT	11000	A	LTITUD	E L	F55									
٧E	AIRSPEED									NZ								TIME
	LESS	LESS	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	HOURS
	100																	
	150						1	23										0.0
	200 250						2	72										0.1
	300							13										0.0
	350							•										0.0
	400																	
	450 500																	
	550																	
	625																	
	700 TOTAL						3	109										0.1
							•	,										0.1
	*15510N	1	WE	1GHT	11000	A	LTITUD	E 1	000									
VE	AIRSPEED									ΝZ								TIME
-		: E55	-1.6	-1.0	-0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	HOURS
	LESS 100																	0.0
	150						21	103	2									0.6
	200						31	125	2									2.2
	250 300						20	294	18	1								2.1
	350						,	• •										0.0
	400																	
	450 500																	
	550																	
	625																	
	TOTAL						75	567	28	1								5.2
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			ue.	16u1	- • • • •													
	MISSION	1	wE	.IGHT	11000		LTITUD		000	•								
۷ŗ							LTITUD	E 2	000	N7	2.		•					TIME
۷F	MISSION AIRSPEED		w£		11000 -°.6				000		2.6	3.0	3,8	4.6	5.4	6.6	7.8	
۷F	MISSION AIRSPEED LESS 100						LTITUD	E 2	000	N7	2.6	3.0	3,8	4.6	5.4	6.6	7.8	TIME
VF	MISSION AIRSPEED LESS 100 150					-0.2	0.2	E 2 1.4 70	000 1.8	N7 2,2		3.0	3,8	4.6	5.4	6.6	7.8	TIME HOURS
VF	#15510N #1R5PEED LE55 100 150 200					-0.2	0,2 12 114	F 2	000 1.8	N7 2,2 34	6		3,8	4.6	5,4	6.6	7.8	TIME HOURS
VF	#ISSION #IRSPEED LESS 100 150 200 250 300					-0.2	0,2 12 114 642 475	F 2 1.4 70 513 1622 1230	000 1.8 85 337 65	N7 2,2 34 165 20		3.0 10 3	3,8	4.6	5.4	6.6	7.8	TIME HOURS 1.4 12.1 23.8
۷F	MISSION AIRSPEED LESS 100 150 200 250 300 350					-0.2	0,2 12 114 642	F 2 1.4 70 513 1622	000 1.8 85 337	N7 2,2 34 165	6 40	10	3,6	4.6	5,4	6.6	7.8	TIME HOURS 1.4 12.1 23.8 11.2
VF	MISSION AIRSPEED LESS 100 150 200 250 300 350 400					-0.2	0,2 12 114 642 475	F 2 1.4 70 513 1622 1230	000 1.8 85 337 65	N7 2,2 34 165 20	6 40	10	3,8	4.6	5.4	6.6	7,8	TIME HOURS 1.4 12.1 23.8
VF	KISSION AIRSPEED LESS 100 150 200 200 350 400 450					-0.2	0,2 12 114 642 475	F 2 1.4 70 513 1622 1230	000 1.8 85 337 65	N7 2,2 34 165 20	6 40	10	3,8	4.6	5.4	6.6	7.8	TIME HOURS 1.4 12.1 23.8 11.2
VF	#15510h A1RSPEED LESS 100 150 200 250 300 350 400 450 550					-0.2	0,2 12 114 642 475	F 2 1.4 70 513 1622 1230	000 1.8 85 337 65	N7 2,2 34 165 20	6 40	10	3,8	4.6	5.4	6.6	7,8	TIME HOURS 1.4 12.1 23.8 11.2
VF	#15510h A1RSPEED LESS 100 150 200 250 300 350 400 450 500 625 700					-0.2 1 6 12 1	0,2 12 114 642 475 20	70 513 1622 1230 53	000 1.8 85 337 65	N7 2,2 34 165 20	6 40	10	3,8	4.6	5.4	6.6	7.8	TIME HOURS 1.4 12.1 23.8 11.2
VF	FISSION AIRSPEED LESS 150 150 200 200 350 400 450 500 550 625					-0.2 1 6 12 1	0,2 12 114 642 475	70 513 1622 1230 53	000 1.8 85 337 65	N7 2,2 34 165 20	6 40	10	3,8	4.6	5.4	6.6	7.8	TIME HOURS 1.4 12.1 23.8 11.2
VF	#15510N A1RSPEED LESS 100 150 200 250 300 350 400 450 500 550 625 700 TOTAL	LESS	-1.8	-1.0	-6.6	-0.2 1 6 12 1	12 12 14 642 475 20	F 2 1.4 70 713 1622 1230 53	1.8 5 35 337 65 4	N7 2,2 34 165 20 1	40	10 3	3,8	4.6	5.4	6.6	7,8	TIME HOURS 1.4 12.1 23.8 11.2 0.0
	#15510N A1RSPEED LESS 100 150 200 200 350 400 450 500 550 625 700 TOTAL		-1.8			-0.2 1 6 12 1	0,2 12 114 642 475 20	F 2 1.4 70 713 1622 1230 53	000 1.8 85 337 65 4	N7 2,2 34 165 20 1	40	10 3	3,8	4.6	5.4	6.6	7.8	TIME HOURS 1.4 12.1 23.8 11.2 0.0
	#15510N A1RSPEED LESS 100 150 200 250 300 350 400 450 500 550 625 700 TOTAL	LESS	-1.8	-1.0	-0.6	-0.2 1 6 12 1	12 114 642 475 20	70 513 1622 1230 53	000 1.8 85 337 65 4	N7 2.2 34 165 20 1	50	10 3						TIME HOURS 1.4 12.1 23.8 11.2 0.2 0.0
	#15510N A1RSPEED LESS 100 150 200 200 350 400 450 500 550 625 700 TOTAL FISSION AIPSPEED	LESS	-1.8	-1.0	-6.6	-0.2 1 6 12 1	12 12 14 642 475 20	F 2 1.4 70 713 1622 1230 53	1.8 5 35 337 65 4	N7 2.2 34 165 20 1	40	10 3	3.8	4.6	5.4	6.6	7.8	TIME HOUPS 1.4 12.1 23.8 11.2 0.2 0.0
	#15510N A1RSPEED LESS 100 150 200 250 300 350 400 450 500 500 70TAL FISSION A1RSPEED LESS 100	LESS	-1.8	-1.0	-0.6	-0.2 1 6 12 1	12 114 642 475 20	70 513 1622 1230 53 3488 E 5	000 1.8 85 337 65 4	N7 2.2 34 165 20 1	50	10 3						TIME HOURS 1.4 12.1 23.6 11.2 0.2 0.0
	#15510N A1RSPEED LESS 100 200 200 350 350 400 450 550 625 700 TOTAL FISSION AIPSPEED LESS 100 150	LESS	-1.8	-1.0	-0.6	-0.2 1 6 12 1	0.2 12 144 642 475 20 1263	F 2 1.4 70 513 1622 1230 53 3488 F 5	000 1.8 85 337 65 4	N7 2.2 34 165 20 1	50	10 3						TIME HOUPS 1.4 12.1 23.8 11.2 0.2 0.0 48.7 TIME HOURS 0.0
	#15510N A1RSPEED LESS 100 150 200 250 300 350 400 450 500 550 625 700 TOTAL #15510N A1RSPEED LESS 100 150 200	LESS	-1.8	-1.0	-0.6	-0.2 1 6 12 1 20	122 114 642 475 20 1263 ALTITUD	70 513 1622 1230 53 3488 E 5	000 1.8 85 337 65 4	N7 2.2 34 165 20 1	50	10 3						TIME HOURS 1.4 123.8 11.2 0.2 0.0 TIME HOURS 0.0
	#15510N A1RSPEED LESS 100 150 200 250 300 350 400 450 500 625 700 TOTAL F1SSION AIRSPEED LESS 100 150 250 300 300 300 300	LESS	-1.8	-1.0	-0.6	-0.2 1 6 12 1	12 12 114 642 475 20 1263 ALTITUD	70 513 1622 1230 53 3488 £ 5 1.4	1.8 85 337 65 4 497	N7 2.2 34 165 20 1	50	10 3						TIME HOURS 1.4 12.1 23.8 11.2 0.2 0.0 TIME HOURS 0.0 0.1 2.6 18.1 24.3
	#15510N A1RSPEED LESS 150 200 200 350 400 450 500 550 625 700 TOTAL #15510N A1PSPEED LESS 150 150 200 250 306 350	LESS	-1.8	-1.0	-0.6	-0.2 1 6 12 1 20	12 12 14 642 475 20 1263	To 1.4 To	000 1.8 85 337 65 4	220 NZ 2.2	50	10 3						TIME HOURS 1.4 12.1 23.8 11.2 0.0 0.0 48.7 TIME HOURS 0.0 0.1 2.6 18.2 24.3 0.3
	#15510N A1RSPEED LESS 100 150 200 200 350 400 450 500 550 625 700 TOTAL #15510N A1RSPEED LESS 150 200 250 300 350 400 400 400 400 400 400 450	LESS	-1.8	-1.0	-0.6	-0.2 1 6 12 1 20	12 12 114 642 475 20 1263 ALTITUD	70 513 1622 1230 53 3488 £ 5 1.4	1.8 85 337 65 4 497	220 NZ 2.2	50	10 3						TIME HOURS 1.4 12.1 23.8 11.2 0.2 0.0 1.5 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6
	#15510N A1RSPEED LESS 100 150 250 300 350 400 450 550 625 700 TOTAL #15510N A1RSPEED LESS 100 200 250 300 350 450 450 550	LESS	-1.8	-1.0	-0.6	-0.2 1 6 12 1 20	12 12 114 642 475 20 1263 ALTITUD	To 1.4 To	1.8 85 337 65 4 497	220 NZ 2.2	50	10 3						TIME HOURS 1.4 12.1 23.8 11.2 0.0 0.0 48.7 TIME HOURS 0.0 0.1 2.6 18.2 24.3 0.3
	#15510N AIRSPEED LESS 150 200 250 300 300 450 450 500 625 700 TOTAL HISSION AIRSPEED LESS 150 200 250 350 400 450 550 550 665 700 TOTAL	LESS	-1.8	-1.0	-0.6	-0.2 1 6 12 1 20	12 12 114 642 475 20 1263 ALTITUD	To 1.4 To	1.8 85 337 65 4 497	220 NZ 2.2	50	10 3						TIME HOURS 1.4 12.1 23.8 11.2 0.2 0.0 1.5 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6
	#15510N A1RSPEED LESS 100 150 250 300 350 400 450 550 625 700 TOTAL #15510N A1RSPEED LESS 100 200 250 300 350 450 450 550	LESS	-1.8	-1.0	-0.6	-0.2 1 6 12 1 20	12 12 114 642 475 20 1263 ALTITUD	To 1.4 To	1.8 85 337 65 4 497	220 NZ 2.2	50	10 3						TIME HOURS 1.4 12.1 23.8 11.2 0.2 0.0 1.5 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6

+15510N	,	14	EIGHT	1100	0	ALTITU	OF 1	0000									
VE AIRSPELO								0000									
LESS 100	LESS	-1.8	-1.7	-0.6	-0.2	0.2	1.4	1.8	5.5 NZ	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIMF HOURS
150 200 250 300 350 450 500 550	z	1	1		3 2	1 5 55 112 25 7	8 50 178 99 22 3	2 2 6 12 8 2	3 2	2	1 3	6 6 2 1	1 1 1	1			0.0 0.0 0.3 6.8 15.5 3.6 0.2 0.1
700 TOTAL	2	1	1		5	207	360	33	9	7	4	15	3	1			26.4
+15510N	1	w	FIGHT	11000	; A	LTITUO	E 1:	5000									
AE VIEDEED				_					NZ								*****
LE55 100	[632	-1.8	-1.0	- 0.6	-0.2	0.2	1.4	1.8	2.2	5.6	3.0	3.8	4.6	5.4	6.6	7.8	HOURS
150 200 250 300 350 400 450 500		1 2	i	1	1 3	1 18 36 15 4	14 5 33 70 58 4	2 7 15 7 12 3 2	1 2 9 3 1	1 6 5 3	1 9 5 1	1 9 8 3	3 2 2 1	1			0.0 0.1 0.4 5.3 11.2 ~.3 0.2 0.0
625 700																	
TOTAL		3	1	2	\$	76	188	4 g	17	16	17	21	8	2			21.5
+15510A	1	wE	1 GHT	11000	A	LTITUD	E 20	000									
VE ALRSPEED		٠.		•					NZ								
LESS 100 150	(133	-1.8	-1.0	-0.6	-0.2	0,2	1,4	1.8	2.2	2,6	3,0	3.8	4.6	5,4	6,6	7.8	TIME HOURS 0.0
200 250 300 350 400 450 500 550 625		1		1	2 1 6 13 3	13 22 87 182 57 2	3 23 154 403 154 6	1 15 43 74 26	3 17 21 9	3 11 11 4	3 10 5	1 2 1	1				0.1 1.4 12.9 29.2 7.9 0.1 0.0
7CO TOTAL		1		1	25	364	743	160	50	29	19	8	1				51.6
*15510h	1	wΕ	1GHT	11000		TITUDE											
VE AIRSPEED	•	"-	•	11000	^L	ITIODE	300										
LESS 100	LESS	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIME HOURS 0.0
150 200 250 300 350 400 450 500			1 1 1	1	1	10 32 17 5	1 20 16 69 47 6	5 10 7 2	2 9 3	2 5 2 1	2 1 1	1 1 1					0.0 0.0 0.7 3.0 1.7 0.1 0.0
625 701 TOTAL			3	2	2	60	161	24	14	10	4	3					5.6

¥155	ION	١	wE	IGHT	11000	A	LTITUDE	400	000									
VE AIRS	PEED	. 555	-1.8	-1.0	_0.6	-0.2	0.2	1.4		NZ 2.2	2.6	3.0	3.8	4.6	5.4		7.8	TIME HOURS
1	LESS	FE 22	-1.0	-1.0		-0,2	0.2		1.0	7.2		3.0	3.0	7.0	2.4		,	HOUR 3
	100																	
	150						1											0.0 0.3 0.3
	200						5	1	1	1	1	1						0.3
	250						6	- Ā	-	ĭ	ž	š						0.3
	300						i	1	1	1	1							0.0
	350						-	-	•									
	400																	
	450																	
	500																	
	550																	
	625																	
	700																	11.00
1	OTAL						13	6	,	2	•	4						0.7
⊬155	104	1	wE	1 GHT	11000		LTITUDE	500	000									
VE AIRS	DEFO																	
A. MING		LESS	-1.8	-1.0	-0.6	-0.2	0.2	1.4		NZ 2.2	2.6	3.0	3.8	4 4	5.4			TIME
	LESS	6533		-1,0		-0.2	•••		7 . 0	2.0		3.0	3,0	7,0	2.4	6.6	7.8	HOURS
	100																	
	150																	
	200																	0.0
	250																	0.0
	200 250 300																	
	350																	
	400																	
	450																	
	500																	
	550																	
	625																	
	760																	
1	OTAL																	0.0

Mission 2 - Formation

*15510f.	2		wE 1GH	T 700		ALT1TU	DE	2000									
VF AIRSPEED		٠.															
LESS 100 150	LE	55 - 1.	8 -1	.0 _0.6	.0,2	0.2	1,4	1.8	NZ 2.2	2 2.6	6 3,0	o 3.,	8 4.6	5,4	6.6	7.8	TIME HOURS
260 250 300 350 400 450 550 625 700						3	3 8	3	3	? ! 1	1	i.					0.0 0.2 0.1 0.1
TOTAL						6	20	9	9	4	1						
M155104	2		£ . ¢ =							•	•						0.4
VF AIRSPEED	•		E 1GHT	7000	AL	_T1TU06	5	000									
LESS 100 150 200	LESS	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	NZ 2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIME HOURS
250 300 350 400 450 500 550 625 760						i	3										0.0
TOTAL						2	5										
*15510K	2		1GHT	P 000	AL 1	TITUDE	LF										0.0
LESS 100 150	LES5	-1.8	-1.0	-0.6 -	0.2	0.2	1.4	1.8	2.2	2,6	3.0	3.8	4.6	5.4	6.6	7.8	TIME HOURS
250 250 350 400 450 500 550 625						1 1 2	23 24 1	1									0.0 0.1 0.0 0.0
TOTAL						4	48										
Wiers						•		1									0.1
M15510N	2	WEI	GHT	8000	ALT1	TUDE	100	0									
VE AIRSPEED	1 6 5 8	-1 0						NZ									
LESS 100 150 200 250 350 400 450 550		-1.8	-1.0	-0.6 - 0.		9 14 20 -	1 46 78 23 6	8 1 2 1	2.2	2.6	3.0	3.8	4.6 5	.4 6	.6 7		TIME HOURS 0.; 1.1 0.8 0.1
625 700 TOTAL					3	0 25	4	12		2							20

Mission 2 - Formation (Continued)

MISSION	2		wE 1GH	800	0	ALTITU	CE	2000									
VE AIRSPEED																	
LESS 100	LES	S =1.	8 -1,	0 -0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3,8	4,6	5.4	6.0	7.8	TIME
150 200						17	283		11	1							0.1
250					10	134 730	374 1504	115 285	154 245	56	12	2					4.5
300 350						104	302		14	111	35	2					12.2
400																	1.1
450 500																	
550																	
625 700																	
TOTAL					12	985	2463	543	424	177	52	4					26.3
►15510N	2		EICHT	8000		ALTITUD	£	5000									20,5
VE ALTSPEED						-211100	_	5000									
	LESS	-I.E	-1.	0 -0.6	-0.2	0.2	1.4	1.8	NZ								TIME
LESS 100					- • -			1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	HOURS
150					,	53	0.4										0.1
200 250					7	81	86 176	2	7	4	4						1.5
300					5 2	238 32	520	35	20	5	1	1					3.3
350 400					-	1	83	4	1	1	2						4.8
450								-									0.0
500																	
550 625																	
7CO TOTAL																	
1014					16	406	867	51	28	10	7	1					10.1
FISSION	2		EIGHT	F00 C													
VE AIRSPEED	•	-	-10	F000	•	LTITUDE	10	000									
AS WINDLEFO	1 655	-1.8	-1.0						NZ								
LESS			-1.00	-0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.6	TIME HOURS
100 150															-		
200						1	1										0.0
250 300						13	20	1	1	1							0.1
350						2	7		-	-							0.9
400 450						•	1										0.0
500																	0.0
550 625														1			0.0
7 00																	
TOTAL						17	29	1	1	1				1			1.4
MISSION	2	 F	IGHT														
VE AIRSPEED				8000	AL	TITUDE	150	00									
-	LESS	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8 N	2.2	2 .							TIME
LE55 100					-	•-		4.0	2.2	2.6	3.0	3.8	4.6	5,4	6.6	7.8	HOURS
150																	
200 250						1	2										0.0
30C					I	8	10			1							0.1
350 400						,	1	1		2	2	7					0.5
450								1		2	-	i					0.0
500 550														1			0.0
625																	
700 TOTAL																	
					1	14	20	6		7	5	3		1			1.7

15510.	2	"E I G	o⊷Y ac	00c	ALTITUE	re .										
VE AIRSPEED						LE Z	0000									
LESS 100	LES	5 -1.8 -	1.0 -0.	,6 - 0,2	0.2	1,4	1.8	2.2	2.6	3,0	3.8	4,6	5,4	6.6	7.8	TIME
150 209 250 300					24 25	8 47 42	2 14 11	1	1							0.0 0.0 0.7 3.2
350 460 450 560 550 625							1		1	2	1					1.6
TOTAL					53	97	28	9	4	6	1					5.6
*15510 %	2	#E I G	-T #0	oc /	ALTITUD	E 30	000									
VE #IRSPEED LESS 100 150	LESS	-1.8 -1	.0 .0.	6 -0.2	0.2	1.4	1.8	NZ 2.2	2.6	3.0	3,8	4.6	5.4	6.6	7.8	TIME HOURS
200 250 300 350						1 5 4	2	3 2	1	1						0.2 0.6 0.2
400 450 502 550 625 700 *CTAL						14.7										
						10	5	5	1	1						1.0
VF AIRSPEED	2	#E1GH	T 900	c A	LTITUDE	Le	-55									
LE55 100	LESS	-1.8 -1	.0 .0.6	-0.2	0.2	1.4	1.6	NZ 2.2	2.6	3.0	3.8	4.6	5,4	6,6	7.8	TIMF HOURS
150 200 250						4 7										0.0
360 350 400 450 500																0.0
550 625 700 To <u>t</u> al																
10122						11										0.0
*15<10\	2	*E I GHT	9000	AL.	TITUDE	100	, כ									
VF AIRSPEED LESS	LE55	-1.8 -1.	0 _0.6	-0.2	0.2	1.4	1.8 N	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIME
150 150					13	78	7						•			HOURS 0.0
200 250 300 350 400 450					20 2 9	8 3	1 2									0.6 1.0 0.2 0.0
500 550 625 700 Total					4 4,	158										
						•)0	10									1.8

#15510k	2		#E1G	⊢ T 90	co	ALT1TO	UOE	2000									
WE AIRSPEED							-	2000									
	LE:	55 -1	.8 -1	0 -0	6 -0.				NZ								
LESS			• • • • • • • • • • • • • • • • • • • •		.	2 0.2	2 1.	4 1.8	7.	2 2.6	3.6	3.8	4.	6 5.	4 6	.6 7.	71HE
100																,	B HOURS
150 200						17	7 18	2 51	,								0.1
250						2 75	33	5 116	9	1 13		ı.					2.5
300					1 1			264				ž					6.3
350						1 57	102	2 24	16	6		•			1		9.1
400															•		1.3
450																	0.0
500 550																	0.0
625																	
700																	
TOTAL					1 14	483	1304										
					•	-73	1304	463	327	74	18	2			1		20.1
415510t.																	20.1
	2		ME1GH	7 900	00	ALTITU	DE	5000									
VE AIRSPEED																	
	LES	5 -1.	8 -1	.0 .0.6	-0.2	0.2	٠.		NZ 2.2								
LESS						0.7	1.4	1.4	2.2	7.6	3.0	3.8	4.6	5.4	6.	6 7.8	TIME
100						2	5							- •			HOURS
200						12 31	19		1								0.1
250					1	31	74	7	î	2							0.9
30€					1	83	2-0	37	20	ī							2.4
350					1	3 C	59	10	5	2	1						4.2
40∂ 450							1										0.8
500																	0.0
550											1						0.0
625																	0.0
7(0														1			0.0
TOTAL					3	158	418										
					•	* 7 6	*18	40	27	5	2			1			8.3
VISSICT.	2		EIGHT	9000		LTITUDE	F 10	000									
VE AIRSPEED						C.11.00.0	- 10	000									
	LE55	-1.6	-1.0	-0.6	-0.2	0 2			12								
LESS						0.2	1.4	1.8	2.2	i.6	3,0	3.8	4.6	5.4	6.6	7.8	TIME
100 150															0.0	7.8	HOURS
200						2		1									0.0
250						2	3	•		2							0.0
300						8	17	6		•	1						0.1
350						2	12	2	1	1	2	4	4				1.7
400						4	3		1	1	ī	8	12	1			0.6
450 500					1	5	6	3	2	2	2	4	10	;			0.2
550						•	۰	4	4	4	3	5	4	2			0.2
625												2	1	1			0.1
700																	•••
TOTAL					1	25											
					•	25	45	16	8	10	9	27	31	5			114.11
														-			2.9
WISE10A	2		IGHT														
	-	-	10-1	9000	ΑŁ	TITUDE	150	00									
AL TIEZBEED								N.7	,								
LESS	LESS	-1.8	-1.0	_0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8					TIME
100												J. 6	4.6	5.4	6.6	7.8	HOURS
150						37	9										
200						3	24 11	13		_							0.1
250 300					2	25	39	13	2	11	17						0.5
350				1	4	23	43	23	8	1 6	43	8 43	30				2.7
400				1	1	11	22	15	7	11	37	46	20	4			2.3
450				1	1	3	8	3	6	8	23	21	10	5	1		1.3
500							2	1	1	1	11	4	3	7			0.6
550											1	1	-				0.1
625																	0.0
7CO TOTAL																	
J				2	8	106	158	85	36	51 1	34	123	55				
									-				22	13	1		7.9

*155104	2		#E 1 GH	T 90	00	ALT11	UFF	20000									
VE A:RSPEED								20305	_								
LESS	į E	55 -1.	8 -1	.(_0.	c -0.	2 0.	2 1.	4 1.	8 2.	2 2.	6 3.	0 3.6	8 4.6	5.			TIME
100 150												•			4 6.	6 7.8	HÔUÑS
200 250							Ō ,	9 2	2 9 1	1							0.0
300					10	20	4 42	5 12	5 6	8 60	0 4:			,			0.3
350 +00					2		1 3		8 7 7 1		8 4 3	3 8	7		_		17.2 12.5
450 500										1 3		1			2		1.3
550																	0.0
625 700																	
TOTAL					37	435	95	0 30	174	141	187	- 2					
										• • •	187	78	12	2	!		36.0
*15510.	2		#E1G⊬†	900	00	AL TITU	DF :	30000									
VE A:RSPEED								00000									
LES5	LE5	5 -1.1	-1.	0 -0.6	-0.2	0.2	1.4	1.8	NZ 2.2	2.6	3.0						TIME
10-9 150												3.8	4.6	5.4	6.6	7.8	HOURS 0.0
200					3	32	75										0.0
250 300				2	10	104	337	127		3 17	2						3.0
350 460					4	50 1			31		3						10.2
450									•								0.0
500 550																	
625 700																	
TOTAL				3	17	189	594	•••									
						,	,,,,	224	116	28	12						17.8
₩15510N	,	W	E1GHT	10000													
VE AIRSPEED			•	. 5000	•	LTITUE) E	000									
LES5	LESS	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	NZ 2.2								
100						_		***	2.2	2.6	3.0	3.8	4.6	5.4	0.6	7.8	TIME HOURS
150 260						2	21										0.0
250 300						2	11	1									0.1
350							3	1									0.2
400 450																	0.0
500 550																	
625 700																	
TOTAL																	
						6	36	2									0.4
* 15510A	2	κE	1GHT	10000	Aı	TITUDE											0.4
VE AIRSPEED						TIOUE	20	000									
LESS	LESS	-1.8	-1.0	.0.6	-0.2	0.2	1.4	1.8	2.2	2.6							
100							-	• • • •	1.1	4.6	3.0	3.8	4.6	5.4	6.6	7.8	TIME HOURS
150 200						1	24	8									0.0
250 300					2	24 38	95 105	31	17	. 1							0.6
350 460					1	25 1	44	23	11	11	4	1					2.7
450						•	•	1		1							0.0
500 559										•							0.0
625 700																	
TOTAL					3	89	2.0										
					-	04	269	165	87	14	4	1					5.9

* 15510%	2		## 1GH1	1^0	CO	ALTITU	DE	5000									
VE LIRSPEED								,,,,,	10.2								
i.ESS	LES	5 -1.	8 -1.	0 -0.	6 -C.	2 0.2	1.4	1.	►Z 5 2.	2 2.6	3.0	3.6					TIME
100									•		, ,,,	,,,	4.6	5.4	6.6	7.8	HOUR'S
150 200						2	5										6.0
250						2 4 54	20			_							C.2 O.8 1.2
300 350					Z	2 28	90			1							1.2
400 400 450						2	3			•	1						0.4
450 500												1					0.0
550																	0.0
625																	
700 TOTAL																	
					?	90	163	7	3	1	1	1					2.7
*15S104			_														
	2	,	ŧΕ1G∺T	1000	c .	AL TITUE	E 10	0000									
CBBRERIA BV	. 550	-1.6							NZ								
~E 55	LE3:	-1.6	-1.0	-0.6	-0.2	O.Z	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIME HOURS
100 150														-			
200						1	_	2									0.0
250 300						1	15	1	2	3							0.1
350					1	6	22	4	7	6	6	11	3				1.2
483					1	10	7 5	8	6	4	12	ç	12	2			0.6
450 500						6	á	2	i	3	9	18	11	3 2			0.5
550					1			1				1	•	•			0.3
525 70 J																	-••
TOTAL					6	33	57	22									
							,,		23	19	43	52	34	7			4.0
15510	2		EIGHT	10000		LTITUDE	. 14	00c									
VE AIRSPEED							- 17	0 0 C									
	LESS	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	NZ 2.2	2.6	3.0			1.0			TIME
LE55 100											3.0	3.8	4.6	5.4	6.6	.8	HOUR 5
150					3	51 28	28 140	1 25	3								0.2
200 250					2	29	37	29	10	7		1					1.4
300		1			1	22	30 22	24	23	23	23	11	29	1			1.6
350 400				1	3	18	11	2 A	28 8	24 12	34 25	46 37	29	9			3.2
450					2	6 2	6	5	5	3	ii	11	8	•			1.3
500 550					٠	4	1			1	6	3					0.1
625																	
700 TOTAL																	
10142		1		1	15	180	275	124	77	70	108	109	44	16			10.8
~15510n																	
	2	#E	1G+T	10000	At	TITUDE	200	00									
AE VIBSEED	FSS	-1.8		٠.	•			*	ıZ								
LESS 100	, , ,	-1.00	-1.0	-0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIME HOURS
150					8	1											
200 250					4	103	13	14 52	25	-	,						0.0
300			1	1	8		389 445	152	105	42	23	1 7					4.8
350			•		5	101	50	165	86	47	28	7	1				15.7
400 450					-	-		• >	. 1	8	7	4	1				1.7
500										1	-						0.0
550 625																	0.0
7 co																	
TOTAL			1	1	26	352	981	398	228	105	63	19	2				
									_	-	• 5	14	•				37.6

~15510A	2		#E1G►	1 1000	C	ALTITU	CE 3	0000									
VF AIRSPEED	, 54	S _1		o -					4.7								
LESS 100 150		· · · ·	8 - 1,	.0 _0.6	-0.2	0.2	1.4	1.6	NZ 2,2	2,6	3.0	3.8	4.6	5,4	6,6	7.8	TIME HOURS
200 250 300 350 400 450 500 550 625				i	1 6 2	2 46 17a 88 1	163 701 370 7	23 ± 119 2 1 1	25	24	1 4 2		1 1				0.0 0.2 6.1 19.6 8.3 0.1 0.0
TOTAL				1	9	515	1247	420	154	44	7		2				
FISSION	•												-				34.3
VE AIRCLEED	2	•	E1G⊬T	10000	A	LTITUD	E 40'	200									
LESS	: 555	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.6	2.2	2.6	3.0	3.8	4.6	5.4	ŧ 5	7.8	TIME HOURS
150 200 250 300						2	1										0.0
350 400 450 500 550 625							1										0.2
7074_						3	5										0.0
"ISSION		_															0.3
VE AIRSPELD	7	wt;	G⊢T	11000	AL T	ITUDE	1.55	ς.									
	LESS	-1.8	-1-0	.0.6	0 3	•		NZ	<u>.</u>								
LESS 100 150 200					v • Z	0.2	1.4		2.2	2.6	3.0	3.8	• • •	5.4	• 6	**8	TIME HOURS
250 300							6										0.0
350 400 450 500 550 625 700							•										0.0
TOTAL							14										
																	0.0
MISSION	2	WEIG	HT	12000	ALT1	TUDE	1000										
VE AIRSPEED							.000										
LESS 100 150 200	LESS .	-1.8 -	1.0	-0.6 -0,	.2 0,		.4 1, 18	NZ SE 2	.2 2	.6 3	.0 3,	.8 4.	6 5.	٠.	6 7.		VE O RS
250 300 350 400 450 500 550 625 700						8 5	1 4	3									0.0 0.2 0.2 0.1
TOTAL					1	7 e	1 :										
						J		•									0.6

₩15510N	2	a E	1GHT	1:000	A	LTITUDE	2	000									
VE AIRSPEED	L F 5 5	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	NZ 2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIME HOURS
LESS 100 150	(, 3)	•••					5			-•0	•••		•••		•••		0.1
200 250 300						10 79 47	37 119 482	1 30 10	2 9 2	5	1						0.6 2.0 1.7
350 400						5	42	2	-	-							0.1
450 500 550 625																	
760 TOTAL						161	385	43	13	6	1						4.5
·15>10*.	2	"E	1G+T	11000	A	LTITUCE		000									
VE AIRKPEED	LESS	-1.8	-1.0	. 0.6	-0.2	0.2	1.4	1.8	NZ 2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIME HOURS
100 150 200																	0.0
250 250 350					2 2	1 20 59	3 89 264	5 13	1	2							0.2 2.0 4.1
350 400					•	î	5	• ,	•	•							0.0
450 500																	
550 625 700																	
TETAL					4	81	358	18	1	2							6.3
-155105	,	_w E	1GHT	11000		LTITUDE	10	000									
VE AIRSPEED									NZ 2.2	2.4	3.0		4.4	• 4	4.1	•	TIME
VE AIRSPEED LESS 100 150			:1G⊬T -1.0		-0.2	0.2	1.4	1.8	NZ 2.2	2.6	3.0	3,8	4.6	5,4	6.6	7.8	HOURS 0.0
VE AIRSPEED LESS 100 150 200 250						0.2	1.4	1.6	NZ 2,2		3 . C	3.8	4.6	5.4	6.6	7.8	0.0 0.0 0.0
VE AIRSPEED LESS 100 180 200 250 300 350 400						0.2	1.4 10 33 27		NZ 2.2	2.6	3.C	3.8	4.6	5.4	6.6	7.8	0.0 0.0 0.0 0.8 2.1
VE AIRSPEED LESS 100 150 200 250 300 350 400 450 500					-0.2	0.2 6 25	1.4	1.6	NZ 2.2		3,0	3.8	4.6	5,4	6.6	7.8	0.0 0.0 0.0 0.8 2.1
VE AIRSPEED LESS 100 180 200 250 300 300 350 400 450 500 625					-0.2	0.2 6 25 6	1.4 10 33 27 2	3 1	1	1	3 . C	3,8	4.6	5.4	6.6	7.8	0.0 0.0 0.0 0.8 2.1 0.5 0.1
VE AIRSPEED LESS 100 150 200 250 300 350 400 450 500 500 500					-0.2	0.2 6 25	1.4 10 33 27 2	1.6	2,2	1	3.0	3.8	4.6	5,4	6.6	7.8	0.0 0.0 0.0 0.8 2.1 0.5 0.1
VE AIRSPEED LESS 100 180 200 250 300 300 350 400 450 500 625		-1.8			1	0.2 6 25 6	1.4 10 33 27 2 1	1.6	1	1	3.C	3.8	4.6	5.4	6.6	7.8	0.0 0.0 0.0 0.8 2.1 0.5 0.1
VE AIRSPEED LESS 100 150 200 250 300 350 400 450 500 500 075L	(ESS	-1.8	-1.0	11000	1	0.2	1.4 10 33 27 2 1	1.6	1	1 2							0.0 0.0 0.8 2.1 0.5 0.1
VE AIRSPEED LESS 100 150 200 250 300 450 450 500 500 700 707AL VE AIRSPEED LESS 100 150	(ESS	-1.8	-1.0	11000	-0.2 1	0.2 25 6 37	1.4 10 33 27 2 1	1.6	2 • 2 1	1	3.0	3.8	4.6	5.4	6.6	7.8	0.0 0.0 0.8 2.1 0.5 0.1 0.0
VE AIRSPEED LESS 100 150 200 350 360 350 460 450 550 625 700 'OTAL VE AIRSPEED LESS 100	(ESS	-1.8	-1.0	11000	-0.2 1	0.2 6 25 6	1.4 10 33 27 2 1 73 1.4	1.6 3 1	1	1 2							0.0 0.0 0.8 2.1 0.5 0.1 0.0 3.5
VE AIRSPEED LESS 100 150 250 300 250 350 450 550 550 625 700 'OTAL VE AIRSPEED LESS 100 250 350 350 450 450 450 450 450 450 450 450 450 4	ι ESS	-1.8	-1.0	11000	-0.2 1	0.2 25 6 37	1.4 10 33 27 2 1 73	1.6	1	1 2							0.0 0.0 0.0 0.8 2.1 0.5 0.1 0.0 3.5
VE AIRSPEED LESS 100 150 200 300 350 450 450 625 700 'OTAL MISSION VF AIRSPEED LESS 100 150 200 350 400 450 400 450 400 450 500 550	ι ESS	-1.8	-1.0	11000	-0.2 1	0.2 6 25 6 37 0.2	1.4 10 33 27 2 1 73 1.4	1.8 3 1	1	1 2							0.0 0.0 0.8 2.1 0.5 0.1 0.0
VE AIRSPEED LESS 100 250 300 250 300 450 450 500 500 707AL VISSION VF AIRSPEED LESS 100 250 300 300 300 300 300 300 400 450	ι ESS	-1.8	-1.0	11000	-0.2 1	0.2 6 25 6 37 0.2	1.4 10 33 27 2 1 73 1.4 3 16 8	1.8 3 1	1 1 NZ 2.2	1 2							0.0 0.0 0.8 2.1 0.5 0.1 0.0 3.5

+15510r.	2		#E [G+1	11000)	ALT1TU	DE 2	0000									
VF AIRSPEED																	
LE55	LESS	5 -1.	8 -1.	0 -0.6	-0.2	0.2	1.4	1.8	N2 2.2	2 2.6	3.0	3.8	4.6	5.4	6.0	6 7.8	TIME HOURS
150 200 250						1	2								•		. n
300 350 400 450				1	1	14 39 11	23 78 26	3 5 2	2	2	i 1	1					0.1 1.5 4.0 1.1
500 550 625 700 107AL																	0.0
				1	4	65	129	10	3	2	2	1					6.T
MISSION VF AIRSPEED	2	•	EIGHT	11000	A	LTITUO	E 30	000									
AT HEMSEED									_								
LES5 100 150 200	11.55	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIME HOURS
250						1											
300						3	8										0.0
350 400						3	8										0.1
450							1										0.4
500 550 625																	0.4
700 TOTAL																	
						7	17										
F15510N VE AIRSPEED	,	w.E.	IGHT	11000	ALT	TITUDE	400	00									1.0
LES5 100 150 200	LES5	-1.8	-1.0	-C.6 -	0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIME HOURS
250 300 350 400						1											0.0
450 500 550 625 700																	0.0
TOTAL						1											
																	0.1

Mission 3 - Nav & General

415510A	3	#E	1GHT	7000	A	LTITUDE	L	r\$5									
VF AIRSPEED									NZ :.2								TIME
LESS	LE33	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	:.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	HOURS
100 150																	
200						1											0.0
250 300																	•••
350																	
4C0																	
450 500																	
550																	
625 700																	
TETAL						1											0.0
						•											0.0
415510h	3	wE	1GHT	7000	A	LTITUDE	1	000									
VF AIRSPEED									NZ								
	LESS	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.6	4.6	5.4	6.6	7.8	TIME
LESS												-	•	_	-		
100 150						1	4										0.1
200						•	-										0.0
250 300																	
350																	
400																	
500																	
550																	
625 700																	
TOTAL						1	4										0.1
*15510N	3	#E	IGHT	7000	A	LTITUOE	20	000									
	3	#E	IGHT	7000	A	LŤIŤUĐE	20		N.7								
VE AIRSPEED		₩E			=0,2	D.2	1.4		NZ 2.2	2.0	3.0	3.0	4.6	5.4	6.6	7.8	TIME HOURS
VE AIRSPEED									NZ 2.2	2,0	3.0	3.8	4.6	5.4	6.6	7,8	HOURS
VE AIRSPEED LESS 100 150						0.2	1.4	1.8	2.2	2.0	3.0	3.0	4.6	5.4	6.6	7.8	HOURS 0.0
VE AIRSPEE0 LESS 100 150 200						0.2	1.4	1.8	1 10	4		3.8	4.6	5.4	6.6	7.8	0.0 0.9 0.3
VE AIRSPEED LE55 100 150 200 250 300							1.4	1.8	2.2		3.0	3.6	4,6	5.4	6.6	7.8	HOURS 0.0
VE AIRSPEED LESS 100 150 200 250 300 350						0.2	1.4	1.8	1 10	4		3.0	4.6	5.4	6.6	7.8	0.0 0.9 0.3
VE AIRSPEED LESS 100 150 200 250 300 350 400						0.2	1.4	1.8	1 10	4		3.8	4,6	5.4	6.6	7.8	0.0 0.9 0.3
VE AIRSPEED LESS 100 150 200 250 300 350 400 450 500						0.2	1.4	1.8	1 10	4		3.8	4,6	5.4	6.6	7,8	0.0 0.9 0.3
VE AIRSPEED LESS 100 150 200 250 300 350 400 450 500 550						0.2	1.4	1.8	1 10	4		3.8	4,6	5.4	6.6	7.8	0.0 0.9 0.3
VE AIRSPEED LESS 100 150 200 250 300 350 400 450 500 625 700						0.2	1.4	1.8	1 10	4		3.0	4,6	5.4	6.6	7,8	0.0 0.9 0.3
VE AIRSPEED LESS 100 150 200 250 300 400 450 550 625						0.2	1.4	1.8	1 10	4		3.8	4.6	5.4	6.6	7.8	0.0 0.9 0.3
VE AIRSPEED LESS 100 150 200 250 300 400 450 500 500 625 700	LESS	-1.8	-1.0	_0.6	-0,2	9.2 5 11 30	1.4 46 12 30	1.8 20 8 4	1099	6	3	3.6	4.6	5.4	6.6	7.8	HQURS 0.0 0.9 0.3 0.4
VE AIRSPEED LESS 100 150 200 250 300 350 400 450 500 625 700	LE 5 5	-1.8 w£	-1.0	7000	=0.2	7.2 5 11 30	1.4 46 12 30	1.8 20 8 4	1109	10	3	3.8	4,6	5.4	6.6	7.8	HQURS 0.0 0.9 0.3 0.4
VE AIRSPEED LESS 100 150 200 250 300 450 450 500 550 625 760 10TAL MISSION	LE 5 5	-1.8	-1.0	7000	-0,2	9.2 5 11 30	1.4 46 12 30	1.8 20 8 4	1109	6	3	3.8	4.6	5.4	6.6	7.8	HQURS 0.0 0.9 0.3 0.4
VE AIRSPEED LESS 100 150 200 250 300 450 450 500 550 625 760 10TAL MISSION. VE AIRSPEED LESS 100	LE 5 5	-1.8 w£	-1.0	7000	=0.2	7.2 5 11 30	1.4 46 12 30	1.8 20 8 4	1099	10	3						HOURS 0.0 0.9 0.3 0.4
VE AIRSPEED LESS 100 150 200 250 350 450 550 525 760 10TAL MISSION VF AIRSPEED LESS 100 150	LE 5 5	-1.8 w£	-1.0	7000	=0.2	7.2 5 11 30	1.4 46 12 30 88	1.8 20 8 4	1109	10	3						0.0 0.9 0.3 0.4
VE AIRSPEED LESS 100 150 200 250 300 350 450 550 625 760 10TAL MISSION VE AIRSPEED LESS 100 150 200	LE 5 5	-1.8 w£	-1.0	7000	=0.2	7.2 5 11 30	1.4 46 12 30	1.8 20 8 4	1109	10	3						HOURS 0.0 0.9 0.3 0.4
VE AIRSPEED LESS 100 150 200 250 300 350 450 550 625 760 10TAL MISSION VF AIRSPEED LESS 100 150 200 250 250 300	LE 5 5	-1.8 w£	-1.0	7000	=0.2	7.2 5 11 30	1.4 46 12 30 88	1.8 20 8 4	1109	10	3						0.0 0.9 0.3 0.4
VE AIRSPEED LESS 100 150 200 250 300 450 450 550 625 760 10TAL MISSION VE AIRSPEED LESS 100 150 200 350 350	LE 5 5	-1.8 w£	-1.0	7000	=0.2	7.2 5 11 30	1.4 46 12 30 88	1.8 20 8 4	1109	10	3						0.0 0.9 0.3 0.4
VE AIRSPEED LESS 100 150 200 250 350 450 550 625 760 10TAL MISSION VF AIRSPEED LESS 100 250 250 300 350 400	LE 5 5	-1.8 w£	-1.0	7000	=0.2	7.2 5 11 30	1.4 46 12 30 88	1.8 20 8 4	1109	10	3						0.0 0.9 0.3 0.4
VE AIRSPEED LESS 100 150 200 250 350 450 500 550 625 760 10TAL MISSION VF AIRSPEED LESS 100 250 350 350 400 450 550	LE 5 5	-1.8 w£	-1.0	7000	=0.2	7.2 5 11 30	1.4 46 12 30 88	1.8 20 8 4	1109	10	3						0.0 0.9 0.3 0.4
VE AIRSPEED LESS 100 150 200 250 300 350 450 550 625 760 10TAL MISSION VF AIRSPEED LESS 100 150 200 250 250 350 450 550 550 550 550 550 550 550 550 5	LE 5 5	-1.8 w£	-1.0	7000	=0.2	7.2 5 11 30	1.4 46 12 30 88	1.8 20 8 4	1109	10	3						0.0 0.9 0.3 0.4
VE AIRSPEED LESS 100 150 200 250 350 450 550 625 760 10TAL MISSION VF AIRSPEED LESS 100 150 200 250 200 250 350 400 450 550 625 760	LE 5 5	-1.8 w£	-1.0	7000	=0.2	7.2 5 11 30	1.4 46 12 30 88	1.8 20 8 4	1109	10	3						0.0 0.9 0.3 0.4
VE AIRSPEED LESS 100 150 200 250 300 450 500 550 625 760 10TAL MISSION VF AIRSPEED LESS 100 250 300 450 450 500 550 625 760 100 150 200 550 625	LE 5 5	-1.8 w£	-1.0	7000	=0.2	7.2 5 11 30	1.4 46 12 30 88	1.8 20 8 4	1109	10	3						0.0 0.9 0.3 0.4

	~15510N	3		mE 1GHT	800	0	ALTITU	DE	LFSS									
٧	E AIRSPELD									NZ								
	LESS 100	LES:	5 -1.	8 -1.	-0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5,4	6.6	7.8	TIME
	150						2	92	. 3									0.1
	200 250						3	105	4	2	1							1.0
	300							4		2	1		2	1				0.6
	350							2										•••
	400																	
	500 500																	
	550																	
	625																	
	700 TOTAL																	
	,0,12						5	203	7	4	2		2	1				1.7
	*15510A	3		EIGHT	8000)	ALTITU	DE	1000									
٧E	AIRSPELO							-										
-		LESS	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	NZ 2,2								TIME
	LESS								1 * 8	2,2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	HOURS
	100 150																	
	200						43	586	53	2								0.5
	250						56 24	281 63	11	5	5							8,2 4,3 0,7
	300						4	4	5	2	2	1						0.7
	350 400								•									0.1
	450																	0.0
	500																	
	550 625																	
	700																	
	TOTAL						127	954	70	9	7	1						
										•	•							13.6
	"ISSICN	3	×	EIGHT	8000	A	LTITUE	E 2	000									
٧E	AIRSPEED									NZ								
	LESS	LESS	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	2.8	4.6	5.4	4.6	7.8	TIME
	100											-						HOURS
	150					1	120	1319	31a	46	5							0.7
	200 250				_	9	597	2854	314	582	212	48	2					28 8
	300				1	50 11	3389	6800	1130	654	324	110	7					47.2 53.0
	350				•	11	330	848	137	56	25	11	1					3.7
	400						•	,	•		2	3		1				0.1
	450 500																	
	550																	
	625																	
	700 TOTAL																	
					2	71	4441	11632	1903	1339	568	172	10	1				133.5
																		-
	M15510A	2	wE	IGHT	P000	Ai	LTITUO	E «	000									
VE	AIRSPEED							. ,	,,,,,									
, ,		LESS	-1.8	-1.0	_0.6	-0.2	0.2	1 4	'	YZ .								TIME
	LESS					- 12	- 42	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	HOURS
	100						1	7										
	150 200					5	107	300	13	2								0.3
	200					11	307 965	948 2321	35 145	20 59	11	3						22.4
	250											10	2					
	250 300					4	200	414	55				•					25.7
	250 300 350						200	414	55 10	6	li	1						25.7
	250 300 350 400						200	414	55	6			1					25.7 3.2 0.2
	250 300 350 400 450 500						200	414	55 10	6		1						25.7
	250 300 350 400 450 500 550						200	414	55 10	6		1						25.7 3.2 0.2
	250 300 350 400 450 500 550 625						200	414	55 10	6		1						25.7 3.2 0.2
	250 300 350 400 450 500 550					4	200	50	55 10	6		1						25.7 3.2 0.2

*15<10N	3	wE	g G⊬†	8000	AL	TITUDE	100	000									
VF AIRSPEED	LESS	-1.8	-1.0	_0. 6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	÷8	4.6	5.4	6.6	7.8	TIME HOURS
LF55 100 150 200 250					1	7 91	21 155 71	12									0.0 0.0 0.9 7.5
300 350 400 450 500 550					1	26 1	71 4	6	2	3	1	1	•				1.9 0.1 0.1 0.0
625 700 TCTAL					2	125	251	18	2	3	ì	٦,					10.5
* 15510N	3	#E	1 GHT	F000		LTITUDE	15	000									
VF AIRSPEED LESS 100	t ESS	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6,6	7.8	TIME HOURS
150 200 250 300 350 400 400 500		1			6	14 88 38 2 1	16 76 70 4	2 9 10 1	4 2	1 2 2	2 3 1	1					0.0 1.7 8.1 3.2 0.3 0.0
550 625 700 TOTAL		1			7	143	166	22	6	5	7	2					13.3
+15510N	3	wE	1 GHT	8000		LTITUDE	20	000									
VE AIRSPEED LESS 100	L E 5 5	-1.8	-1.0	. 0.6	. 2.2	0.2	1.4	1.8	7.Z	2.6	3.0	3.8	4,6	5.4	6,6	7.8	TIME HOURS
150 200 250 350 350 400 450 500					1 4 3 1	31 167 93 6	1 45 224 173 10	7 41 46 3	13 17 1	1 6 11 1	3						0.1 3.6 16.3 9.2 0.7 0.0
550 625 700 7074L					9	297	459	97	33	19	5						30.0
15510.	3	»E	1GHT	#000) A	LTITUDE	30	000									
VE AIRSPEED LESS 100	LFS5	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	2.2	2,6	3.0	3.8	4.6	5,4	6.6	7.8	T1MF HOURS
150 200 250 300 350 400 450 500				1	1 3 2	8 36 18	16 77 42	21 12	1 8 7	1 6 4	1						0.0 1.2 3.9 1.5 0.0
625 700 Total				1	6	62	135	37	16	11	1						6.7

#15510r.	3	a f	IGHT	8000)	ALT1TU	DE 4	0000									
VE I IRSPEED									NZ								****
LE55 100 150	LESS	-1.8	-1.0	_0.6	-0.2	0.2	1.4	1.8	7.2	2.6	3.0	3,8	4.6	5.4	6.6	7.3	TIME HOURS
200 250 300 350 400																	0.1 0.3 0.1
450 500 550 625																	
700 TOTAL																	0.5
*1551CN	3	u B	.1GHT	0000			0.5										•••
VE AIRSPEED	,	#6	1 40 1	9000		ALTITU	OE	LF55									
LESS 100	L F 5 5	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.6	NZ 2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIME HOURS
150						1 4	47 99	1									0.0
250 300						9	18	1									0.0
350 400																	0.1
450 500 550																	
625 100																	
TOTAL						14	174	2									0.9
F15510+,	3	wE	IGHT	9000		ALTITU	DE 1	1000									
VE AIRSPEED	(E 5 5	~1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	NZ 2.2	2.6				_			TIME
LE55								1 • 6	2.2	4.0	3.0	3.8	4.6	5.4	6.6	7.8	HOURS
150 200 250					5	37 78	307 210	7	1	1							0.1 3.9 3.5
360 350						13	86 36	2	1	1	1		i				0.8
400 450						1	3										0.0
500 550									1								0.0
625 700																	
TOTAL					5	141	642	22	8	5	2		1				8.5
#1551C1	,	wE	GHT	9000		i TITUD	E 2	000									
VE AIRSPEED	1 555	~1.8	-1.0	-0.5	-0.2	0.2	1.4	1.8	NZ 2.2	2 4							TIME
LE55 100 150		•••	-1.00	2000						2.6	3.0	3.8	4.6	5.4	6.6	7.8	HOURS 0.2
250				1 2	2 7 22	94 451 778	737 2787	189	163	35	9						45.2
300 350				٤	2	163	2595 1092 9	487 67	294 38	91 20	24	1					26.1
400 450 500 550						1	1	1									0.0
625 700 16TAL				3	33	1489	7221	63 0	502	146	39	1					96.8

15=1~.	,	at IG=T	9001	Ą	T1700	E 51	:05									
er Alaspero	, ,	-1.8 -1.0	_0.6	-5.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIME
LESS 1:1 150					1	,										C.2
2^ '			1	1 2 11	67 290 561	201 1211 2022	2 26 113	17	17 14	11	1					5.6 28.6 27.2
253 303				••	162	696	48	10	2	5	•	1				4.8 0.2
350 400 450					••	5	ī	i	•		1					0.0
5.0						•	,	•								0.0
25																
10744			1	14	1099	4163	196	72	36	23	2	1				67.7
15510	3	eE IG+ T	9000	A	ETITUD	E 101	200									
VE 2195FEED		-1.8 -1.0	-0.6	-3.3	0.2	1.4	1.8	2.2	2.6	3,0	3.8	4.6	5.4	6.6	7.8	TIME HOURS
LE55 100	((3)	-1.6		~5.2	٠.2		* • 6			3,0	3.0	4,0	,,•	0.6	1.0	0.0
155 200					7	21	2	1								0.1
250 300				2	85 55	1 a7 120	14	4	3	7 14	12	3	1			11.7
350 400			1	1 2	11	19	3	4	3	13 13	18	16	3			0.8
450 500				1	t	6	7	8	4	12	10	7	5			0.2
550 62 5																
TOT LATOT			1	¢	173	362	47	28	1.7	62	70	45	9			19.7
155IC.	3	wt1G+T	9000	, A	LTITU	15 15	9 ¢ 0									
VF MIRSPEED	LF55	-1.8 -1.0	_0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIME HOURS
LESS 100					15	19										0.1
150 200				1	19	44	7	4	4	2	2					3.5
250 300			1	7	138 99 23	189 211	69	24 57	26 59	36 121	20 70 80	30	2			16.6
350 460 450			1	4	12	7	19	27 7 2	54 23 5	60 16	41	32 12 1	7 1 1			3.0 1.1
500 500			1	1	,	3	1	2	,	1	,	•				0.3
625 700																
TOTAL			3	26	314	566	157	121	171	365	214	78	11			36.1
* 15510*	1	#E1GHT	000	c .	ALTITU	DE 20	000									
VE AIRSPEED	LFS5	8 -1.0	_C_6	-0.2	0.2	1.4	1.8	NZ 2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIME HOURS
LESS 100						2							•	•		0.0
150 200			1	1 8	13 169	26 382	10 124	60	1 33	16	1					23.0
250 300		1		36 32	737 583		376	342 335	180	122 178	17 39	2	1	1		93.2 61.7
350 400			1	6	58	118	50	41	39 6	59 6	21	2				0.2
450 500																0.0
550 625																
700																

*155104	3	 i	E1G+T	5 000		ALTITUS	CF 3	0000									
WE ATREPETO							,,										
LESS 1(3	LESS	-1.8	-1.0	-0.6	-C.2	C.2	1.4	1.8	2.2	2.6	3.C	3.8	4.6	5.4	6.6	7.8	TIME HOURS
150 200 250 300 350 400			1	6 3	13 30 17	14 243 764 325 3	18 693 2535 1086 5	284 839 341	135 444 170	45 142 39	1 8 23 11	1 3 2	1				0.0 0.8 28.5 88.1 28.7 0.2
450 500 550 625 703 Total			1	11	61	1349	4337	1483	757	226	43	6	1				
													•				146.4
VF AIRSPEED	3	#E	IGHT	9000	A	LTITUE	E 40	000									
LESS 100	LF55	-1.8	-1.C	- 0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIME HOURS
150 200 250 300					1	13	27 23	1 2 1		1							0.5 5.8 3.9
350 400 450 500 550 625 700																	
TOTAL					1	22	50	4		1							10.2
41221C+	3	₩E :	I GHT	10000	A	TITUD	E L	FSS									
VF AIRSPEED	1 FSS	-1.8	- 1 0	-0.6	-0.3	•			NZ								TIME
LESS 100 150	(200	-110	-,,	••••	-0.2	0.	1,4	1.8	2.2	2.6	3.0	3.8	*•6	5.4	6.6	7.8	HOURS
200 250							5										0.1
300 350 400 450							1										0.0
500 550 625 700																	
TOTAL							7										0.1
#1551Cr.	1	₩E I	G+ T	10000	∆ ز	TITUDE	10	000									
VF AIRSPEED	LESS	-1.8	-1-0	-0.6	-0.7	0.2			NZ								
LE55 100 150			•••	-0.0	-0.2		1.4	1.8	2.2	2.6	3.0	3.8	4.6	5,4	6.6	7.8	TIME HOURS
200 250						10 17	66	5									0.0
350 350 460 450 500						11 1	11 36 4		1	1							0.6 0.2 0.2 0.0
550 623 700 Total																	
.01#4						43	151	6	1	1							1.9

~15510·.	3	"E	1G=T	10000		. 11762	E 2	nes									
AE TIERBEED	ı F55	-1.8	-1.0	.0.6	- 0.2	0.2	1.4	1.8	2.2	2.5	3.0	3,8	4.6	5.4	6.6	7.2	TTMF HOURS
LESS 100	[[]					- • -	•			- • •			•-				0.0
150						33	228	Ģ	1								8.1
200 250					1 2	110 151	993	107	39 72	30	8						17.0 9.9
300					ź	71	PE3	27	15	6	i						1.7
352					=	1	13	1		_							0.0
4£3																	
+5 0 365																	
550																	
625 7:																	
707#2					5	366	2595	205	127	39	9						36.8
					,	340		,									,
~12>1C+	3	"f	1G-T	10000	A	LTITUD	E 5	100									
VE 2195PEED									42								TIME
	LF55	-1.8	-1.0	-C . c	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	HOURS
LESS																	
109 150					1	25	43										4.1
200					î	72	463	12	1								13.6
250					4	276	1142	75	26	6							13.8
300 350		1		1	1	100	552	29	15	3 2	1	1					5.4
900 400					i.	8	56 27	3	1								0.5
450						·		•	•								0,0
500																	
550 625																	
761																	
TOTAL		1		1	8	504	2283	120	45	13	1	1					37.6
MISSIO1.	3	⊕E	1G+7	10000	A	LTITUE	E 10	000									
MISSION VE AIRSPEED									NZ 2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIME HOURS
VE & IRSPELD		-1,8			_0 _2	0.2	E 10		NZ 2.2	2.6	3.0	3.8	4.6	5,4	6.6	7.8	HOURS
VE AIRSPEED LESS 100						0.2	1.4		NZ 2.2	2,6	3.0	3.8	4.6	5,4	6.6	7.8	HOURS 0.0
VE 41RSPEED LESS 100 150						0.2	1.4		NZ 2.2		3.0	3.8	4.6	5,4	6.6	7.8	0.0 0.3
VE AIRSPEED LESS 100						0.2 1 13 52	1.4	1.8	NZ 2.2	1 1	4	3.8		5.4	6.6	7.8	0.0 0.3 2.6 9.6
VE 21RSPEED LESS 100 150 200 250 250					-0.2 1	0.2 1 13 52 68	8 36 194 188	1.8	2.2	1 1 7	11		2	5,4	6.6	7.8	0.0 0.3 2.6 9.6 5.7
VE & 1RSPEED LESS 100 150 200 250 300 350					-0.2 1	0.2 1 13 52 68	8 36 194 188 110	1.8 12 13 13	2.2 8 8 5	1 1 7 5	11 12	4 9	2		6.6	7.8	0.0 0.3 2.6 9.6 5.7 2.0
VE 41RSPEED LESS 100 150 200 250 300 300 350 400					-0.2 1	0.2 1 13 52 68	8 36 194 188	1.8 12 13 13	2.2	1 1 7	11		2	5,4 3 1	6.6	7.8	0.0 0.3 2.6 9.6 5.7 2.0
VE 41RSPEED LESS 100 150 200 250 300 350 460 460 450					-0.2 1	0.2 1 13 52 68 46 25	8 36 194 188 110 42	1.8 12 13 13	2.2 8 8 5	1 1 7 5	11 12 10	4 9 8	2 6 9	3		7.8	0.0 0.3 2.6 9.6 5.7 2.0
VE 41RSPEED LESS 100 150 200 300 300 350 400 450 501 550					-0.2 1 2 1	0.2 1 13 52 68 46 25	8 36 194 188 110 42	1.8 12 13 13	2.2 8 8 5 4	1 1 7 5	11 12 10	4 9 8	2 6 9	3		7.8	0.0 0.3 2.6 9.6 5.7 2.0 0.6 0.1
VE 41RSPEED LE55 100 150 200 250 300 350 400 450 500 500 625					-0.2 1 2 1	0.2 1 13 52 68 46 25	8 36 194 188 110 42	1.8 12 13 13	2.2 8 8 5 4 1	1 1 7 5	11 12 10	4 9 8	2 6 9 3	3		7.8	0.0 0.3 2.6 9.6 5.7 2.0 0.6 0.1
VE 41RSPEED LESS 100 150 200 300 300 350 400 450 501 550					-0.2 1 2 1	0.2 1 13 52 68 46 25	8 36 194 188 110 42	1.8 12 13 13	2.2 8 8 5 4	1 1 7 5	11 12 10	4 9 8	2 6 9	3		7.8	0.0 0.3 2.6 9.6 5.7 2.0 0.6 0.1
VE 41RSPEED LE55 100 150 200 250 300 350 400 450 500 500 500 7014L	LESS	-1,8	-1.0	-9.6	-0.2 1 2 1	0.2 1 13 52 68 25 5	8 36 194 188 110 42 5	1.8 12 13 13 7	2.2 8 8 5 4 1	1 1 7 5 4	11 12 10 3	4 9 8 3	2 6 9 3	3 1	1	7.8	0.0 0.3 2.6 9.6 5.7 2.0 0.6 0.1
VE 41RSPEED LESS 100 150 200 250 300 350 400 500 500 500 700 11SS104		-1,8			-0.2 1 2 1	0.2 1 13 52 68 46 25	8 36 194 188 110 42 5	1.8 12 13 13 7	2.2 8 8 5 4 1 1 2 7	1 1 7 5 4	11 12 10 3	4 9 8 3	2 6 9 3	3 1	1	7.8	HOURS 0.0 0.3 2.6 9.6 5.7 2.0 0.6 0.1 0.0
VE 41RSPEED LE55 100 150 200 250 300 350 400 450 500 500 500 7014L	LESS	-1.8	-1.0	-9.6	-0.2	0.2 1 13 52 68 66 25 5	8 36 194 188 110 42 5	1.8 12 13 13 7 1	2.2 8 8 5 4 1 1 27	1 1 7 5 4	11 12 10 3	4 9 8 3	2 6 9 3	3 1	1		HOURS 0.0 0.3 2.6 9.6 9.7 2.0 0.6 0.1 0.0
VE & IRSPEED LESS 100 150 200 250 350 350 450 450 550 625 700 7014L *ISSIG!	LESS	-1,8	-1.0	-9.6	-0.2 1 2 1	0.2 1 13 52 68 25 5	8 36 194 188 110 42 5	1.8 12 13 13 7	2.2 8 8 5 4 1 1 2 7	1 1 7 5 4	11 12 10 3	4 9 8 3	2 6 9 3	3 1	1	7.8	HOURS 0.0 0.3 2.6 9.6 5.7 2.0 0.6 0.1 0.0
VE & IRSPEED LESS 100 150 200 300 300 300 400 500 625 70144 *ISSIG! VF & IRSPEED LESS 100	LESS	-1.8	-1.0	-9.6	-0.2	0.2 1 13 52 68 25 5 220	8 36 194 188 110 42 5 5 154 20	1.8 12 13 13 7 1	2.2	1 1 7 5 4	11 12 10 3	4 9 8 3	2 6 9 3	3 1	1		0.0 0.3 2.6 9.6 9.6 7.7 2.0 0.6 0.1 0.0
VE 41RSPEED LESS 100 150 200 250 300 350 400 450 500 500 700 7014L *ISSIGA VF 41RSPEED LESS 100	LESS	-1.8	-1.0	-9.6	-0.2	0.2 13 52 68 68 25 5	1.4 8 36 194 188 110 42 5 5 5 1.4 20 103	1.8 12 13 13 7 1	2.2	1 1 7 5 4	40 11 12 10 3	4 9 8 3	2 6 9 3	3 1	1		0.0 0.3 2.6 9.6 9.7 2.0 0.6 0.1 0.0
VE 41RSPEED LESS 100 150 250 300 350 450 500 500 700 450 1501 VF 41RSPEED LESS 100 150 250	LESS	-1.8	-1.0	10000	-0.2 1 2 1 1 5	0.2 1 13 52 68 86 25 5 220	8 36 194 188 110 42 5 5 154 20	1.8 12 13 13 7 1	2.2 8 8 5 4 1 1 27 27	1 1 7 5 4	40 3.0	4 9 8 3 22 22 3 • 8	2 6 9 3 3 20	3 1	1		0.0 0.3 2.6 9.6 5.7 2.0 0.6 0.1 0.0 21.0
VE 41RSPEED LESS 100 150 200 300 300 350 400 500 500 625 700 7014L *ISDIGA VF 41RSPEED LESS 100 200 200 200 200 200 200 200	LESS	-1.8	-1.0	-9.6	-0.2 1 2 1 1 5	0.2 1 133 53 568 %6 625 5 5	1.4 8 36 194 188 110 42 5 5 1.4 20 191 123	1.8 12 13 13 7 1 1 1 46	2.2 8 8 5 4 1 1 27 27 27 2.2	1 1 7 5 4	40 3.0	4 9 6 3 22 2 2 3 . 8 2 5 5	2 6 9 3 20	3 1 4	1		0.0 0.3 2.6 9.6 5.7 2.0 0.6 0.1 0.0 21.0 71MF HOURS
VE 41RSPEED LESS 100 150 200 250 300 300 350 450 500 550 625 700 7014L *ISSIG! VF 41RSPEED LESS 100 150 200 350 350	LESS	-1.8	-1.0	10000	-0.2 1 2 1 1 5	0.2 1 13 52 68 8 8 8 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	1.4 8 36 194 180 42 5 5 5 14 20 193 191 123 194 49	1.8 12 13 13 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2.2 8 8 9 5 4 1 1 27 27 21 37 21 34 19	1 1 7 5 4	40 3.0 11 19 40	4 9 8 3 3 8 22 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 6 9 3 3 20	3 1 4	1		0.0 0.3 2.6 9.6 5.7 2.0 0.6 0.1 0.0 21.0 71MF HOURS 0.1 1.2 5.7 13.9 9.6 2.7
VE 41RSPEED LESS 100 150 200 250 300 350 400 500 500 700 7014L *ISDIGA VF 41RSPEED LESS 100 250 350 360 350 460	LESS	-1.8	-1.0	10000	-0.2 1 2 1 1 5	0.2 1 13 52 68 8 66 25 5 5 220 171'	1.4 8 36 194 188 110 42 5 5 543 124 20 191 123 191 124 49	1.8 12 13 13 7 1 1 1 46	2.2 8 8 8 5 4 1 1 1 2 7 2 7 2 1 3 4 1 9 8	1 1 7 5 4 18 2.6	40 3.0 11 12 10 3 40 3.0	3.8 22 3.8	2 6 9 3 20	3 1 4	1		71MF HOURS 0.0 0.3 2.6 9.6 9.7 2.0 0.6 0.1 0.0 71MF HOURS 0.1 1.2 5.7 13.9 9.6 2.7 0.9
VE 41RSPEED LESS 100 150 250 300 350 450 500 505 700 7014L AISSIGN. VF 41RSPEED LESS 100 250 360 450 450 450 500 450	LESS	-1.8	-1.0	10000	-0.2 1 2 1 1 5	0.2 1 13 52 68 8 8 8 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	1.4 8 36 194 180 42 5 5 5 14 20 193 191 123 194 49	1.8 12 13 13 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2.2 8 8 9 5 4 1 1 27 27 21 37 21 34 19	1 1 7 5 4	40 3.0 11 19 40	4 9 8 3 3 8 22 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 6 9 3 2 0	3 1 4	1		UND TIME HOURS 1.0 1.1 1.2 1.2 1.2 1.2 1.2 1.2
VE 41RSPEED LESS 100 250 250 350 350 450 550 625 700 7014L *ISSIGN VF 41RSPEED LESS 100 250 250 250 350 450 550 655	LESS	-1.8	-1.0	10000	-0.2 1 2 1 1 5	0.2 1 13 52 68 8 66 25 5 5 220 171'	1.4 8 36 194 188 110 42 5 5 543 124 20 191 123 191 124 49	1.8 12 13 13 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2.2 8 8 8 5 4 1 1 1 2 7 2 7 2 1 3 4 1 9 8	1 1 7 5 4 18 2.6	40 3.0 11 12 10 3 40 3.0	3.8 22 3.8	2 6 9 3 2 0	3 1 4	1		0.0 0.3 2.6 9.6 9.6 9.6 0.1 0.0 0 0.1 1.2 5.7 13.9 9.6 2.7 0.9 0.1
VE 41RSPEED LESS 100 150 250 300 350 450 500 505 700 7014L AISSIGN. VF 41RSPEED LESS 100 250 360 450 450 450 500 450	LESS	-1.8	-1.0	10000	-0.2 1 2 1 1 5	0.2 1 13 52 68 8 66 25 5 5 220 171'	1.4 8 36 194 188 110 42 5 5 543 124 20 191 123 191 124 49	1.8 12 13 13 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2.2 8 8 8 5 4 1 1 1 2 7 2 7 2 1 3 4 1 9 8	1 1 7 5 4 18 2.6	40 3.0 11 12 10 3 40 3.0	3.8 22 3.8	2 6 9 3 2 0	3 1 4	1		0.0 0.3 2.6 9.6 9.6 9.6 0.1 0.0 0 0.1 1.2 5.7 13.9 9.6 2.7 0.9 0.1
VE 41RSPEED LESS 100 150 250 250 300 350 450 550 625 700 7014L AISSIG! VF 41RSPEED LESS 100 250 350 460 450 500 550 625	LESS	-1.8	-1.0	10000	-0.2 1 2 1 1 5	0.2 1 13 52 68 8 66 25 5 5 220 171'	1.4 8 36 194 188 110 42 5 5 543 124 20 191 123 191 124 49	1.8 12 13 13 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2.2 8 8 8 5 4 1 1 1 2 7 2 7 2 1 3 4 1 9 8	1 1 7 5 4 18 2.6	40 3.0 11 12 10 3 40 3.0	3.8 22 3.8	2 6 9 3 2 0	3 1 4	1		0.0 0.3 2.6 9.6 9.6 9.6 0.1 0.0 0 0.1 1.2 5.7 13.9 9.6 2.7 0.9 0.1

*155°C'.	1	٠ŧ	IG ⊢ ₹	10000		LIITUD	E 20	700									
VE AIRSPEED	LE55	-1.8	-:.0	-0.6	-3.2	0.2	1.4	1.8	٧Z 2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIME HOURS
2655 100 151 200 250			1		5 5 24	10 22 124 476	51 358	6 125 623	2 71 445	18	5	_	1				0.0 0.1 1.1 22.7
360 350 400 45.			2	2	21	513 72 1	1875 2044 195 6	649 71 2	403	132 136 23 2	68	11 3	1				85.5 72.3 7.1 0.2
57.1 55.0 625 70.1																	
10142			3	3	57	1221	4535	1476	968	305	127	19	3				189,1
155104.	3	at	IG⊢T	10000	A	וווען	E 30	200									
ve ±104PEE3 LESS 103	(F 5 5	-1.8	-1.0	-n.6	-0.2	G.2	1.4	1.8	2.2	2,6	3.0	3.8	4.6	5,4	6.6	7.8	TIME HOURS 0.0
150 200				1	10	27 296	37 1069	15 355	193	43	4	1	1	1			51.2
250 300 350 400		1		3	29 13	887 358 3	3726 1643 11	1154 468 2	629 204 2	44	16	1	2	3			141.0 46.2 0.4
453 500 550 625																	
7CO TETAL		1		8	54	1577	6486	2004	1032	231	28	2	3	4			241.1
+1551C+	3	#E	1GHT	10000		LTITUC	E 40	000									
VF AIRSPEED	ı E55	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	NZ Z.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIME HOURS
LESS 100 150						1	1	1									0.3
200 250 300 350 400			1		1	10	7 7 1	3	2		2						5.5 4.3 0.0
450 500 550 625 700																	
TOTAL			1		1	26	16	7	2		3						10.2
+ 15510A	1	wi	16-1	11000		ALTITUC	E L	.F\$\$									
VF & IRSPEED	LESS	-1.8	-1.0	-0.6	+0,2	0.2	1.4	1.8	N2 2.2	2,6	3.0	3.8	4.6	5,4	6.6	7.8	TIME HOURS
LESS 100 150 200						4	18		1								0.0 0.2
250 300 350 400 450						1	14	1	1 2	1	1						0.1 0.1
500 550 625 700 Total						6	103	,	4	ı	3						0.4

* 1551C/.	3	•E	1G+T	11000		LTITU	E 1	ccc									
VE AIRSPEED	LESS	-1.8	-1.0	_C.6	-0.2	0.2	1.4	1.8	NZ 2.2	2,6	3,0	3.8	4.6	5,4	6.6	7.8	TIME HOURS
LESS 100 150 200 250 300					1	17 40 28	£1 107 286	1 1 1 1	1		1						0.2 1.5 1.9
360 350 400 400 500 550 625 700						1	124	5	3		1						0.4
CTAL					1	106	579	16	4		2						4.0
*15510°.	3	•6	1G-7	11000		LTITU	E 2	2 0 0									
VE #185565	t E. 55	-1.8	-1.C	- 0.6	-0,2	0.2	1.4	1.8	%Z 2,2	2.6	3.0	3.8	4,6	5.4	6.6	7.8	T1ME HOURS
150 200 250					5	18 117 258	63 208 883	3 62	2 18	1 5	1						0.6 4.1 10.7
300 350 400					8	388 99 1	1528 191 2	45	11	3	•						9.3 0.5 0.0
450 500 550 625																	
700 7014L					20	881	2875	142	37	10	1						25.3
£12210.	3	wt	1G-T	11000		LTITUE	E 5	000									
VF 4"R5PEED	LF\$S	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	NZ 2.2	2.6	3.0	3.6	4,6	5.4	6.6	7.8	TIME HOURS
LESS 100 150						1	8										0.1
209 259 300				1	3 6	13 143 291	37 783 1524	36 83	10	1							13.8
350 400 450 500 510				•	2	51 3 2	115	14	ž	1							19.8 0.8 0.1 0.0
625																	
TATE				1	11	504	2475	134	21	6							35.6
· 1551(1.	,	₩ŧ	1GHT	11000	A	TITUS	E 10	200									
VF AIRSPEED LESS	LESS	-1.8	-1.0	•^,6	-0.2	0.2	.4	1.8	NZ 2.2	2,6	3.0	3.8	4.6	5,4	6.6	7.8	TIME HOURS
161 155 2.00						3	10										0.0
250 300					1	127	273	9	2	1							7.0 15.4
350 400 450 5€± 5€€					2	10	154 31 1	2	2	1 2 1	1	1					4.1 0.5 0.0
6.5 700 TOTAL					6	258	551	21	8	6	ı	I					27,4

~15510×	3		mt 1G∺1	1100	ic.	ALTITU	CE 1	5000									
VF AIRSPEED		5 -1.							NZ 2.2								
LESS 107	113	· • • •	o -i.	,	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIME HOURS
150																	
200 250 307					1	11	4										0.0
30.7 350				1	3	45	133	3	2			7					5.4
460 450						30	87			2	1	·					12.0
500							1		i	•			1				0.3
150 675																	
625 700 7014																	
				1	4	91	275	10	6	3	1	1	1				22.9
\ [55]C.	3		•£ IG⊨T														
VE AIRSPEED	,		** [C-1	1100	•	LTITUS	E 20	0000									
	LES	-1.6	-1.3	0.6	-0.2	0.2	1,4	1.8	NZ 2.2	2.6							TIME
LESS 100				-	•	•-	•••	4.6	2.6		3.0	3.8	4.6	5.4	6.6	7.8	HOURS
150 200					1	1											0.0
250					5	13 78	17	13	2	,							1.7
300 350				1	8	183	679	40	5	1 2	1						14.4
4 00 45 0				•	,	65	210	13	2	1							7.2
5cc																	0.1
550 625																	
760 1014L																	
				1	17	340	1148	6 A	13	**	1						53.4
1551Cr.	3	•	EIG⊢†	11000		LTITUDI											
VF AIRSPEED			•		-	וווייייי	2 30	000									
LESS	LFSS	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0						TIME
160							-	- • •		• • •	3.0	3.8	4.6	5.4	6.6	7.8	POURS
150 200					1		3	1									0.0
250 300		1		2	1 2	43	24 107	10	2	4	1						1.6
350				1	1	28	76	5 1	40	4	i						7.7
460 450							7	1		1							0.1
500 550																	
625																	
750 TATAL		1		3	5	80	21.										
				,		80	214	19	14	9	2						14.2
. 15510+	1	"E	1G+7	11000	AL	TITUDE	•60	CO									
VF AIRSPEED								N	7								
LESS	Lt 35	-1.8	-1.0	-0.6	-0.2	0.2	1.4	i.a	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.e	TIME
16h 150														- •	•••	, • 4	MOUTS
200 250						2	3		2	1							0.0
360						6 2	5	1	3	1	1						0.3
350 4€0							1	2									0.3
→50 500																	
550																	
625 700																	
TOTAL						10	9	3	5	•							
							•	,	,	2	1						0.6

Mission 4 - Administrative

· 15510N		•E	IGHT	7000	At	LTITUDE	LF	55								
VE ATREPEED								1.8 2.2	• .	• •			• .			TIME
LESS 100 150 200 250 300 350 400 450 500 550 625 700	LESS	-1.8	-1,0	_0,6	-0,2	0,2	3	1.8 2,2	2.6	3,0	3.8	4.6	3,4	6.6	7.8	0.0 0.0
TOTAL							3									0.0
15510	4	n t	.1G+T	7000	A	LTITUEE	1	,60								
VE ZIRSPEED LESS 100 150 200 250 300 350 400 450 500 550	1 655	-1.8	-1.0	-c.6	- 0,2	c.2	1.4	1.P 2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIME HOURS
525 750 701AL																0.0
12510+	4	*!	16+1	ADDO		LTITUDE	L	F 5 5								
VF & TRSPE() LESS 1-0 150 200 250 350 350 350 4-1 4-50 510 510 550 550 150	(F 5 \$	-1.8	-1.0	_0.6	-0.2	0.2	3	1.8 2.2 1 1 1	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIME HOUR5 0.0 0.1 0.0 0.0
625 750 1874L						1	3	2 1	1							0.1
						-	,									
15" 10%	4	*	EIGHT	P000	, .	LTITUDE	E 1	000								
VF AIRSPEED LESS 100 100 200 250 300 350 460 450	L E S S	-1.8	-1.0	- 0.6	-0.2	2 2	1,4	1.2 NZ 7.2	2.6	3.0	3,4	4.6	5,4	6.6	7.8	11ME HOURS 0.0 0.4 0.2 0.0
550 625 700 Total						•	26	2 1								0.6

*15510h	4		nE 1GHT	₽0¢	00	ALTITO	DE	200 0									
VE AIRSPEED								2000									
LESS 100	LES	55 -1.6	3 -1.	0 _0.6	-0.2	C.2	1.4	1.8	NZ 2.2	2.6	3.0	3.6	4.6	5 5.4	6.6	7.8	TIME HOURS
200						29	110										0.0 I.2
250 300						6.9	187	34	28	12	I 6						1.8
350 400						•	20	3	1								2.0 0.1
450 500																	
550 645																	
7(7																	
~ ~ .						104	361	64	50	20	7						5.1
~15510																	
VF AIRSPEED	4	•	EIG⊢T	PC 0	C A	LTITUD	E !	50 C									
	LES	-1.8	-1.0	-0.6	-0.2	0.2	1.4		NZ_								
LE55 100				•	•-	V.2	1.4	1.8	2.2	2.4	3.0	3.8	4.6	5.4	6.6	7.8	HOURS
150 200						1	32										0 · C
250 300					2	11 27	69	7 10	2	2							0.4
350 400						4	15	1		1							1.0
45.1						1	4			•							0.0
550						2	15	1									0.0
625 700																	0.0
TOTAL					2	47	180	19	10	5							
																	2.5
* 1551Ch	4.	n E	IGHT	8000	Αt	TITUDE	10	000									
VE AIRSPEED	LESS	-1.8	-1 -0	-0.6				<i>)</i>	.Z								
LESS 100	•		-1.60	•••	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.A	4.6	5.4	6.6	7.8	TIME HOURS
150 200																	
250 300						1	3										0.0
351							ī	1									0.3
450																	0.1
500 550																	0.0
525 760																	
TOTAL						1	4	1									
																	0.5
1551Ch	4	»EI	ō⊢T	POCC	ALT	TTUDE	150	ne									
VF LIREPEED							.,,,	N2									
LESS	LESS	-1.8	-1.0	-0.6	-0.2	0.2	1.4			2.6	3.0	3.8	4.6	5.4	6.6	7.0	TIME HOURS
160 150															•••		HUURS
200 250																	0.0
300 350						1	1	1									0.2
400 450																	0.1
500																	
550 625 700																	
700 TOTAL						1	,										
						•	2	1									0.5

VE AIRSPEED LESS -1.8 -1.0 -0.6 -J.2 0.2 1.4 1.8 2.2 2.6 3.0 3.8 4.6 5.4 6.6 7.8 HOURS 100 200 250 250 300 350 4 0.2 0.2 0.2 0.2 0.2 0.2 0.2	15510N			nE IGH													
LESS -1.8 -1.0 -0.6 -3.2 0.2 1.4 1.8 \frac{N2}{2}.7 2.6 3.0 3.8 4.6 5.4 6.6 7.8 MINE 150		•		ME 100	1 800		CUTITIA	E 20	0000								
100 100 100 100 100 100 100 100 100 100		LES	55 -1.	8 -1,	.0 .0.6	-3.2	0.2	1.4	NZ 1.8 2.	z 2.6	3.0	3.a	4.4	* .			TIME
200 330 300 300 300 300 300 300 300 300	100										•••	-,0	-,0	2,4	6.6	7.8	HOURS
350	200							2									0 0
4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00	300							4									0.6
1	400					1	1	2		1							0.0
1 1 11 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1	500																
TOTAL 1 1 11 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1	625																
** ISSID.	TOTAL					1	1	11	1	l							
VF 2185PEED LESS 1E55 = 1.8 = 1.0 = 0.6 = 0.1	1.765.10v																1.1
E55		4	•	iE [G⊬†	8000	A	L".TUDE	30	000								
150		1 ES	5 -1.8	-1.0	0 _0.6	-0.	0.2	1 4	NZ NZ								TIME
200	100					•	•	•••	**B /**	4.6	3.0	3.8	4.6	5.4	6.0	7.8	
390 300 300 400 300 300 300 300 300 300 30	200																
400 450 500 500 625 700 1 1	300							1									0.0
500 625 700 15510. **ISSID. **LESS	400																0.0
1	500																
TOTAL	625																
VF # FIRSPEED VF # FIRSPEED LESS LESS -1.8 -1.0 -C.6 -0.2 0.2 1.4 1.8 2.2 2.6 3.0 3.8 4.6 5.4 6.6 7.8 MOURS 100 150 0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	TOTAL							1									
VF ZIRSPEED LESS -1.8 -1.0 -0.6 -0.2 0.2 1.4 1.8 2.2 2.6 3.0 3.8 4.6 5.4 6.6 7.8 HOURS LESS -1.8 -1.0 -0.6 -0.2 0.2 1.4 1.8 2.2 2.6 3.0 3.8 4.6 5.4 6.6 7.8 HOURS LESS -1.8 -1.0 -0.6 -0.2 0.2 1.4 1.8 2.2 2.6 3.0 3.8 4.6 5.4 6.6 7.8 HOURS LESS -1.8 -1.0 -0.6 -0.2 0.2 1.4 1.8 2.2 2.6 3.0 3.8 4.6 5.4 6.6 7.8 HOURS LESS -1.8 -1.0 -0.6 -0.2 0.2 1.4 1.8 2.2 2.6 3.0 3.8 4.6 5.4 6.6 7.8 HOURS LESS -1.8 -1.0 -0.6 -0.2 0.2 1.4 1.8 2.2 2.6 3.0 3.8 4.6 5.4 6.6 7.8 HOURS LESS -1.8 -1.0 -0.6 -0.2 0.2 1.4 1.8 2.2 2.6 3.0 3.8 4.6 5.4 6.6 7.8 HOURS LESS -1.8 -1.0 -0.6 -0.2 0.2 1.4 1.8 2.2 2.6 3.0 3.8 4.6 5.4 6.6 7.8 HOURS LESS -1.8 -1.0 -0.6 -0.2 0.2 1.4 1.8 2.2 2.6 3.0 3.8 4.6 5.4 6.6 7.8 HOURS LESS -1.8 -1.0 -0.6 -0.2 0.2 1.4 1.8 2.2 2.6 3.0 3.8 4.6 5.4 6.6 7.8 HOURS LESS -1.8 -1.0 -0.6 -0.2 0.2 1.4 1.8 2.2 2.6 3.0 3.8 4.6 5.4 6.6 7.8 HOURS LESS -1.8 -1.0 -0.6 -0.2 0.2 1.4 1.8 2.2 2.6 3.0 3.8 4.6 5.4 6.6 7.8 HOURS LESS -1.8 -1.0 -0.6 -0.2 0.2 1.4 1.8 2.2 2.6 3.0 3.8 4.6 5.4 6.6 7.8 HOURS LESS -1.8 -1.0 -0.6 -0.2 0.2 1.4 1.8 2.2 2.6 3.0 3.8 4.6 5.4 6.6 7.8 HOURS LESS -1.8 -1.0 -0.6 -0.2 0.2 1.4 1.8 2.2 2.6 3.0 3.8 4.6 5.4 6.6 7.8 HOURS								-									0.1
LESS -1.8 -1.0 -0.6 -0.2 0.2 1.4 1.8 2.2 2.6 3.0 3.8 4.6 5.4 6.6 7.8 HOURS 100 150 200 200 300 300 350 400 450 450 500 500 500 625 700 100 1100 1100 1100 1100 1100 1100		4	w E	1 G+ 1	8000	AL	TITUDE	4 00	00								
100		LFSS	-1.8	-1.0	-C.6	-0.2	0.2	, ,	NZ								
200 250 300 400 450 500 625 700 TOTAL VE AIRSPEED LESS 100 150 200 250 350 400 400 450 500 500 500 500 500 500 5	100				•		•••	1.4	1.8 2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	
300 350 4C0 450 500 550 625 7C0 TOTAL **EIGHT 9000 ALTITUDE LFS5 **VF AIRSPEED** **LESS** 100 150 200 250 350 350 400 450 550 605 500 550 605 500 500 500 500 5	200																0.0
450 450 500 550 625 700 TOTAL **ISSION	300																0.0
500 550 625 700 TOTAL **ISSION	400																0.0
625 7CO TOTAL **ISSION** 4 **EIGHT 9000 ALTITUDE LF55 VE AIRSPEED LESS =1.8 =1.0 =0.6 =0.2 0.2 1.4 1.8 2.2 2.6 3.0 3.8 4.6 5.4 6.6 7.8 HOURS 150 200 200 250 300 310 400 400 450 500 500 550 625 700 TOTAL	500																
TOTAL **ISSION	625																
FISSION 4 MEIGHT 9000 ALTITUDE LF55 VE AIRSPEED LESS =1.8 =1.0 =0.6 =0.2 0.2 1.4 1.8 2.2 2.6 3.0 3.8 4.6 5.4 6.6 7.8 HOURS 150 200 200 250 300 315 400 400 450 500 550 625 700 TOTAL	TOTAL																
VE AIRSPEED LESS 100 150 200 200 250 300 350 400 450 550 500 550 625 700 TOTAL																	0.1
LESS =1.8 =1.0 =0.6 =0.2 0.2 1.4 1.8 2.2 2.6 3.0 3.8 4.6 5.4 6.6 7.8 HOURS 150 200 250 300 350 400 450 500 500 500 500 70TAL		4	#E }	GH†	9000	ALT	ITUDE	LFS	5								
1555 100 150 200 200 250 360 350 400 450 550 500 550 570 TOTAL		LESS	-1 - R	=1.0	0.4	0.0			NZ								
150 200 250 300 350 400 450 500 550 625 700 TOTAL	100	•	- • •	-100		0,2	0.2 1	• 4	1.8 2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIME HOURS
250 300 350 400 450 500 550 625 700 TOTAL	150 200																0.0
400 450 500 550 625 700 TOTAL	300							1									0.0
450 500 552 625 700 TOTAL	310 400																
550 625 700 TOTAL	450 500																
TOTAL 1	550 625																
	700 TOTAL																
								1									0.1

*155104			aE I G	-7	9000		ALTIT	UPF													
VE AIRSPEED								JUE	100												
LESS	į t	55 -1	•6 -	1.0	.0.6	-0.2	0.	2 1	. 4	.8 2	2.2	2.6	3.	О 3,		.6					IME
160 150								1 2					•		• •	. 0	5.4	6.	.6		OUR S
200 250								2 :	13	2											0.0
3 6J								-	•	'											0.4
350 400																					0.0
450 500																					
550																					
^25 7: 1																					
TETAL																					
							4	1	8	3											
. 145.5																					0.7
· 15510·,	4		nE 1 GH	r 9	000	A	LTITU	DE	2000												
VE AIRSPEED																					
LESS	L F.5.5	-i.	a -1.	0 _0	.6 -	0.2	0.2	1.4	. 1	NZ 8 2.											
100							•	•••	٠.	8 2.	2 2	2.6	3.0	3 . 8	4.	6	5.4	6.6	7.	71	ME
150 200						1	á	75											•	o HU	URS
250						2	33	115		3 2	Я	11								(0.0
300 350						4	160 31	265 45			6	11	5								2.3
463						2	11	26		2	4	3	2							3	3.0
450 500								4		1 2										0	.0
550										1	l									0	.0
625 7 ₆₀																				U	•0
TOTAL						ç	24.3														
						y	243	530	104	71	í	25	7								
115510																				7	• 2
*1551CA	4	*	EţG⊢ţ	90	00	AL 1	1 TUDE		5000												
VE AIRSPEED									,,,00												
LESS	L E 55	-1.8	-1.0	-0.6	6 -0	• 2	0.2	1.4	1.8	2.2	2										
100 150									. •0	2.2	2.	6	3.0	3.8	4.6	5,	4	6.6	7.8	TIME	
200							3	14													
250 300						2	21 98	64	3	3		2								0.	0
350						2	22	192	27 8	3		2								1.	8
409 450						1	8	21	5	1		ĺ	2	3						3. 0.	0
500						1	14	21 19	10	7			3	i						0.	1
550 625							1	5	•	•	1		1		1					0.	1 1
700							•				1		-							0.0)
TOTAL						6 1	76	370	54											0.0	,
								3,0	20	18	10		7	5	1					6.2	,
* 1551° ·	4	₩Ē 1	G⊢†	9000																0.2	
VE AIRSPEED			,	4000)	ALTI	TUDE	100	00												
	LE55 .	-1.8	-1.0	.0.6	-0.2	, ,			,	١Z											
100						. 0	• દ	1.4	1.8	2.2	2.6	3,	0	3.8	4.6	5.4				TIME	
150							2	1							•-	-,-	ь	•6	7.8	HOURS	
200 250		1			1		2	11	4	,										0.0	
300 350		1		1	1		0	15	11	1	1 2		1							0.2	
400				•	1		6	11	6	1	1		4	6	2					1.4	
450							4	8	7	2	3		3	3	4					0.7	
500 550				1			3 1	3	7		1		5	6	2	-1				0.2	
625 700							1		,		1		5	2						0.1	
TOTAL		1		2								•		2						0.0	
		•		2	3	4	3	80	42	10	11	26		27	8						
															ō	1				3.7	

* 1551CN	4	a f	1G⊢†	9000	A	TITUCE	15	000									
VF ±1@SPEED	ESS	-1.6	-1.0	.0.6	-0.2	0.2	1.4	1.8	7.2	2.6	3.0	3.8	4.6	5.4	6.6	T.5	TIME
LE:5						6	1										0.0
150 200						4	1	1	2								0.0
250 300					2	8 2	6	2	3	2	2	2	2				1.1
350 400					1	6	10	2	4	1	5 1	3	3	1			0.2
450 50u						2	3	1	1								0.0
550 625																	
700 Total					4	34	37	13	13	12	12	12	6	1			2.4
*15510K	4	wŁ	1G⊬T	9000	A	LTITUDE	20	000									
VF AIRSPELD	LESS	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.6	2.2	2.6	3.0	3.0	4.t	5.4	6.6	7.8	TIME HOURS
LESS 100			-		•	5	2	- • •	-•	•	•	•	•				0.0
150 200					2	7	10	16	4	1							0.1
250 300					2	19	32	16 14 7	8 7	4 5	3	1 2	1				1.0 3.5 2.2
350 460					1	2	5	1	1	1	5	1	1				0.2
450 500																	0.0
550 625																	
760 Total					5	49	82	42	20	11	10	4	3				7.0
· 15510r.	4	WĒ	1GHT	9000		LTITUDE	30	000									
· 15510n. VE AIRSPEED							-		NZ .	2.4					114		TIME
VE AIRSPEED		-1 - 8			-0.2	0.2	30		NZ 2•2	2.6	3.0	3.8	4.6	5.4	6.6	7.6	TIME HOURS
VE AIRSPEED LESS 100 150					-0.2	0.2	1.4		NZ 2•2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	0.0
VE AIRSPEED LESS 100 150 200 250					-0.2	0 • 2 2 2	2 8	1.8	2.2			3.8	4.6	5.4	6.6	7.8	0.0 1.0 3.1
VE AIRSPEED LESS 100 150 200 250 300 350					-0.2	0.2	1.4		2.2	2.6	3.0	3.8	4.6	5,4	6.6	7.8	0.0 1.0
VE AIRSPEED LESS 100 150 200 250 300 400 450					-0.2	0•2 2 2	2 8	1.8	2.2			3.8	4.8	5.4	6.6	7,8	0.0 1.0 3.1
VE AIRSPEED LESS 100 150 200 250 300 350 400 450 500 550					-0.2	0•2 2 2	2 8	1.8	2.2			3.8	4.6	5.4	6.6	7.8	0.0 1.0 3.1
VE #1RSPEED LESS 100 150 200 250 300 350 400 450					1 1	2 2 1	2 8 5	1•8	1 1	1	1	3.8	4.8	5.4	6.6	7.8	0.0 1.0 3.1 0.8 0.0
VE #1RSPEED LESS 100 150 200 300 350 400 450 500 550 625					-0.2	0•2 2 2	2 8	1.8	2.2			3.8	4.8	5.4	6.6	7.0	0.0 1.0 3.1
VE AIRSPEED LESS 100 150 200 250 300 350 400 450 500 550 700 TOTAL		-1.8			1 1	2 2 1	2 8	1•8	1 1	1	1	3.8	4.6	5.4	6.6	7.8	0.0 1.0 3.1 0.8 0.0
VE AIRSPEED LESS 100 150 200 250 300 450 450 560 550 625 700 TOTAL	LE55	-1.8	-1.0	-0.6	1 1	0.2 2 2 1 5	1.4	1 • 8	2.2	1	1						0.0 1.0 3.1 0.8 0.0
VE AIRSPEED LESS 100 150 200 200 300 350 400 450 500 550 7074L *15512*. VE 4.45PEED LESS 110	LE55	-1.8	-1.0	-0.6	-0.2 1 1	2 2 1	2 8	1.8	1 1	1	1	3.8	4.6	5.4	6.6	7.8	0.0 1.0 3.1 0.8 0.0
VE AIRSPEED LESS 100 150 200 250 300 350 450 450 550 625 700 TOTAL *15512** VE A.WSPEED LESS 107 150 200	LE55	-1.8	-1.0	-0.6	-0.2 1 1	0.2 2 2 1 5 LTITUOE	1.4 2 8 15	1 • 8	2.2	1	1						0.0 1.0 3.1 0.8 0.0
VE AIRSPEED LESS 100 150 200 300 350 400 450 550 625 700 TOTAL *15512*. VE A.MSPEED LESS 100 200 250 300	LE55	-1.8	-1.0	-0.6	-0.2 1 1	0.2 2 2 1 5	1.4	1 • 8	2.2	1	1						0.0 1.0 3.1 0.0 0.0
VE AIRSPEED LESS 100 150 200 300 350 400 450 550 555 700 TOTAL *15510** VE A.W. PEED LESS 100 250 250 250 350 400	LE55	-1.8	-1.0	-0.6	-0.2 1 1	0.2 2 2 1 5 LTITUOE	1.4 2 8 15	1 • 8	2.2	1	1						0.0 1.0 3.1 0.0 0.0 4.8
VE AIRSPEED LESS 100 150 200 250 300 350 400 450 500 555 700 TOTAL VE AIRSPEED LESS 100 250 300 350 400 450 500	LE55	-1.8	-1.0	-0.6	-0.2 1 1	0.2 2 2 1 5 LTITUOE	1.4 2 8 15	1 • 8	2.2	1	1						0.0 1.0 3.1 0.0 0.0 4.8
VE AIRSPEED LESS 100 150 200 250 300 450 450 550 625 700 TOTAL *155 ICA VE 4. #5 PEED LESS 100 250 300 450 450 625 625	LE55	-1.8	-1.0	-0.6	-0.2 1 1	0.2 2 2 1 5 LTITUOE	1.4 2 8 15	1 • 8	2.2	1	1						0.0 1.0 3.1 0.0 0.0 4.8
VE AIRSPEED LESS 100 150 200 250 300 350 450 550 550 625 700 TOTAL *15512** VE A.W.PELD LESS 100 250 300 350 400 450 500 550	LE55	-1.8	-1.0	-0.6	-0.2 1 1	0.2 2 2 1 5 LTITUOE	1.4 2 8 15	1 • 8	2.2	1	1						0.0 1.0 3.1 0.0 0.0 4.8

*15510+	4		#Ł!G⊢	T 10	000	AI T	ITUDE	LFS:									
VE AIRSPEED								LF 3	3								
LESS 102 150 200 250 300	LES	5 -1	.8 -1	.0 .0	.6 -	0.2	0.2 1	(.4)	le 2	,2 2,	,6 3,	о з.	8 4,	6 5.	4 6.	6 7.8	TIME NOURS
350 460 450 500 554 625 700 TOTAL																	0.0
VF AIRSPEED	4		# F I GFT	100	000	ALTI	TUDE	1000									0.0
LEST 100	LESS	-1.	8 -1.	0 -0.	6 -0	.2 0	.2 1.	.4 1,	NZ 8 2.	2 2,6	5 3 _• 0	3,8	4.6	5,4	6.6	7.8	TIME
150 200 250 300								2	1								0.0 0.1 0.0
350 400 450 500 550 625 700																	0.0
								2	1								0.2
*1551cr.	4	*	EIGHT	1000	c	ALTIT	UDE	2003									
VF AIRSPEED																	
LESS 100 150	LF\$5	-1.8	-1.0	-º.6	-0.	2 0.	•			2.6	3.0	3.8	4.6	5,4	6.6	7.8	TIME HOURS
200 250 300 350 460 450 500						2 2:	3 79	18	2	1 7 1	2						0.3 0.9 1.1 0.2 0.0
550 625 700 Total					i	. 52											
					•	. ,,	197	27	13	9	3						2.5
*15510% VF AIRSPEED	4	٣٤	I G+T	10000)	ALTITU	DE .	5000									
LESS	LESS	-1.8	-1.0	.0.6	-0.2	0.2	1.4		NZ								
160 150 260							8	1.A	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	HOURS
250 300		1			1	2 22 44	58	11	6	1							0.4
350		2			2	43	101	25 17	3	5	2	,					0.4 1,5 1.7
400 450					1	22	21	15	5	6	2	6	1				1.2
500 550					2	21	32	7	2		1	4	1				0.2
625 700							3	2			1		,				0.0
TOTAL		3			7	172	392	6.5									0.0
							J16	83	31	16	16	12	3				5.2

*15510N	4	#E	1 GHT	10000	AL	TITUNE	100	000									
VE AIRSPEED							_	. ,	ız_	-							TIME
LESS	LFSS	-1,8	-1.0	-0.6	-0,2	0.2	1.4	1 . 8	2.2	2.6	3.0	3.8	4.6	5,4	6.6	7.8	HOURS
160 150						12	29	8	1								0.1 0.7
200				1	1	17	29	6	9	3	1						1.2
250 300	1	2	1		1	23 21	55 45	17 21	13 15	5	13	12	2				1.5
350		•			3	12	14	7	6	3	9	20	5	1			0.8
400 450					2	13 15	15	5	1	3	3 2	11	9	1			0.4
500					-	3	3	2	2	1	1						0.1
550 625																	
7CO TOTAL	1	2	1	1	8	127	204	70	51	29	39	49	18	2			6.0
	•	•	•	•	0	•••				-,		.,		•			
15510r.	4	"E	1GHT	10000	A	LTITUDE	15	000									
VF AIRSPEED																	TIME
	LESS	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	2,2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	HOURS
LE55 100					1	100	25										0.2
150 200			1		1	33	108	25 10	2								0.6
250		2			4	6 2	14	4	6	2	1 2	3	1				0.8
300 350		1	2	1	1	3	7	5	5	6	8	12	5	2			0.7
400		1			i	11	9	7	4	1	6	6	1	-			0.4
450 500						2	5	1	1		2		1				0.1
550																	0.0
625 700																	
TOTAL		5	3	1	5	166	184	59	25	10	30	5.6	12	2			4.0
515510b	4	w F	1667	,,,,,,,			30										
*15510h	4	we	1G-7	10000		LTITUDE	20	000									
*15510N VE 4195PELO									NZ 2.2	2.6	3.0	3.4	4.4	5.4			TIME
VE 41959EED	4 LESS	₩E -1.8	E1G⊢T -1.0	10000	-0.2	0.2	1.4	1.8	NZ 2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	HOURS 0.0
VE 4195PEED LESS 100 150			-1.0		-0.2 6	0.2 411 149		1 • R	2.2	2.6	3,0	3,8	4.6	5.4	6.6	7.8	0.0 0.6
VE 4195PEED LESS 100 150 200		-1.8	-1.0	-0.6	-0.2 6	0.2 411 149 23	1.4 56 248 43	1 • R 3 2 2 4	2.2	2	1		4.6	5.4	6.6	7.8	HCURS 0.0 0.6 0.8 2.6
VE 4195PEED LESS 100 150 200 250 300		-1.8	-1.0	-0.6	-0.2 6 8 1 2	0.2 411 149 23 24 26	1.4 56 248 43 73 50	1 - R 32 24 26 17	2.2	2 9 14		3.8 1 2	4.6		6.6	7.8	HGURS 0.0 0.6 0.8 2.6 4.7
VE 4195PEED LESS 100 150 200 250 350 350	LESS	-1.8 1 5	-1.0	-0.6	-0.2 6 8 1	0.2 411 149 23 24 26 11	1.4 56 248 43 73 50 16	1 · R 1 32 24 26 17	2.2	2	1 4 7 5	1	4.6	5.4	6,6	7.8	0.0 0.6 0.8 2.6 4.7 3.9 1.1
VE 4195PEED LESS 100 150 200 250 300 350 460	LESS	-1.8	-1.0	-0.6	-0.2 6 8 1 2	0.2 411 149 23 24 26	1.4 56 248 43 73 50	1 - R 32 24 26 17	2.2 10 22 18	2 9 14	1 4 7	1 2	4.6		6.6	7.8	HCURS 0.0 0.6 0.8 2.6 4.7 3.9
VE 4195PEED LESS 100 150 200 250 350 460	LESS	-1.8	-1.0	-0.6	-0.2 6 8 1 2	0.2 411 149 23 24 26 11	1.4 56 248 43 73 50 16	1 · R 1 32 24 26 17	2.2 10 22 18	2 9 14	1 4 7 5	1 2	4.6		6,6	7.8	0.0 0.6 0.8 2.6 4.7 3.9 1.1
VE 4195PEED LESS 100 150 200 250 350 460 450 500 550 625	LESS	-1.8	-1.0	-0.6	-0.2 6 8 1 2	0.2 411 149 23 24 26 11	1.4 56 248 43 73 50 16	1 · R 1 32 24 26 17	2.2 10 22 18	2 9 14	1 4 7 5	1 2	4.6		6.6	7.8	0.0 0.6 0.8 2.6 4.7 3.9 1.1
VE 4195PEED LESS 100 150 200 250 300 400 450 500 550	LESS	-1.8	-1.0	-0.6	-0.2 6 8 1 2	0.2 411 149 23 24 26 11	1.4 56 248 43 73 50 16	1 · R 1 32 24 26 17	2.2 10 22 18	2 9 14	1 4 7 5	1 2	4.6		6.6	7.8	0.0 0.6 0.8 2.6 4.7 3.9 1.1
VE 4195PEED LESS 100 150 200 250 360 350 460 450 550 625 700	LESS	-1.8 1 5 6 1	-1.0	_0.6	-0.2 6 8 1 2 2	0.2 411 149 23 24 26 11	1.4 56 248 43 73 50 16 3	1.8 1 32 24 26 17 9	2.2 10 22 18 4	2 9 14 5	1 4 7 5 1	1 2 1	4.6	2	6.6	7.8	HGURS 0.0 0.6 0.8 2.6 4.7 3.9 1.1 0.1
VE 4195PEED LESS 100 150 200 250 360 350 460 450 550 625 700	LESS	-1.8 1 5 6 1	-1.0	_0.6	-0.2 6 8 1 2 2 1	0.2 411 149 23 24 26 11	1.4 56 248 43 73 50 16 3	1.8 1 32 24 26 17 9	2.2 10 22 18 4	2 9 14 5	1 4 7 5 1	1 2 1	4.6	2	6.6	7.8	HGURS 0.0 0.6 0.8 2.6 4.7 3.9 1.1 0.1
VE 4195PELD LESS 100 150 200 250 300 450 450 500 550 625 700 1074L	1	-1.8	-1.0	_0.6	-0.2 6 8 1 2 2 1	0.2 411 149 23 24 26 11 1	1.4 56 248 43 73 50 16 3	1.8 1.32 24 26 17 9 1	2.2 20 22 18 4	2 9 14 5	1 4 7 5 1	1 2 1		2			HCURS 0.0 0.6 0.6 2.6 4.7 3.9 1.1 0.1
VE 419SPEED LESS 100 150 200 250 300 450 450 500 550 625 760 1014L	LESS 1	-1.8 1 5 6 1	-1.0 1 4 3 1	_0.6	-0.2 6 8 1 2 2 1	0.2 411 149 23 24 11 1	1.4 56 248 43 73 50 16 3	1.R 1 32 24 26 17 9 1	2.2 2 10 22 18 4	2 9 14 5	1 4 7 5 1	1 2 1	4.6	2	6.6	7.8	MCAPS 0.0 0.6 0.8 2.6 4.7 3.9 1.1 0.1
VE 4195PEED LESS 100 150 200 250 300 400 450 500 650 550 625 7700 TOTAL * 15510: VE 4185PEED LE75	1	-1.8	-1.0	_0.6	-0.2 6 8 1 2 2 1	0.2 411 149 23 24 26 11 1 645	1.4 56 248 43 73 50 16 3	1.8 1 32 24 26 17 9 1	2.2 20 22 18 4	2 9 14 5	1 4 7 5 1	1 2 1		2			HCAPRS 0.0 0.6 0.8 2.6 4.7 3.9 1.1 0.1
VE 4195PEED LESS 100 150 200 250 350 460 450 550 625 760 TOTAL NISSION VE 4185PEED LESS 100 150 200 200	1	-1.8 15.66 1	-1.0 1 4 3 1 9 E1GHT	_0.6	-0.2 6 8 1 2 2 1 1 20	0.2 411 149 23 24 26 11 1 645 LTITUDE	1.4 56 248 43 73 50 16 3 489	1.8 1.32 24 26 17 9 1 110	2.2 20 22 18 4	2 9 14 5	1 4 7 7 5 1 1 8 3.0	1 2 1		2			HCAURS 0.0 0.6 0.8 2.6 4.7 3.9 1.1 0.1
VE 4195PEED LESS 100 150 200 250 300 350 460 500 550 625 707 1074L N15510: VE 4185PEED LE75 100 250 250	1	-1.8 15.66 1	-1.0	-0.6) 2	-0.2 68 12 22 1	0.2 411 149 23 24 26 11 1 1 645 LTITUDE	1.4 56 248 43 73 50 16 3 489	1.8 1 32 24 17 9 1 110	2.2 102 18 4 56	2 9 14 5	1 4 4 7 7 5 1 1 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	1 2 1		2			HCAPS 0.0 0.6 0.8 2.6 4.7 3.9 1.1 0.1 13.8
VE 419SPEED LESS 100 150 200 250 350 450 550 625 770 10Tal **ISSION VF 41RSPEED LESS 200 250 300 350	1	-1.8	-1.0 1 4 3 1 9 E1GHT	_0.6	-0.2 6 8 1 2 2 1 1 20	0.2 411 149 23 24 26 11 1 645 LTITUDE	1.4 56 248 43 73 50 16 3 3 16 489	1.8 1 32 24 26 17 9 9 1	2.2 10 22 18 4 56	2 9 14 5	1 4 7 7 5 1 1 8 3.0	1 2 1		2			HCAURS 0.0 0.6 0.8 2.6 4.7 3.9 1.1 0.1
VE 4195PEED LESS 100 150 200 250 350 460 550 625 760 1074L **15510** VE 4185PEED LE75 100 200 250 300 300 300 350	1	-1.8 15.66 1	-1.0	-0.6) 2	-0.2 68 12 22 1	0.2 411 149 23 24 26 11 1 1 645 LTITUDE	1.4 56 248 43 73 50 16 3 3 489	1.8 1.32 2.4 2.6 1.7 9 1 1.10	2.2 10 22 18 4 56	2 9 14 5	1 4 7 7 5 1 1 8 3 . 0 1 1 3 1 0 1 0 1 0	1 2 1		2			HCURS 0.0 0.6 0.8 2.6 4.7 3.9 1.1 0.1 13.8 TIMF HOURS 0.0 0.1 0.2 3.1 7.6 0.2 0.0
VE 4195PEED LESS 100 150 200 250 300 350 460 550 625 760 1014L **ISSIO:* VE 4185PEED LE55 100 200 350 400 450 550 550 625 760 1014L	1	-1.8 15.66 1	-1.0	-0.6) 2	-0.2 68 12 22 1	0.2 411 149 23 24 26 11 1 1 645 LTITUDE	1.4 56 248 43 73 50 16 3 3 16 489	1.8 1 32 24 26 17 9 9 1	2.2 10 22 18 4 56	2 9 14 5	1 4 6 7 7 5 1 1 1 8 1 8 1 8 1 9 1 9 1 9 1 9 1 9 1 9	1 2 1		2			HCAPRS 0.0 0.6 0.8 2.6 4.7 3.9 1.1 0.1 13.8
VE 4195PEED LESS 100 150 200 250 300 350 460 550 625 7074L N15510: VE 4185PEED LE75 100 200 300 350 400 450 500 550 625	1	-1.8 15.66 1	-1.0	-0.6) 2	-0.2 68 12 22 1	0.2 411 149 23 24 26 11 1 1 645 LTITUDE	1.4 56 248 43 73 50 16 3 3 16 489	1.8 1 32 24 26 17 9 9 1	2.2 10 22 18 4 56	2 9 14 5	1 4 7 7 5 1 1 8 3 . 0 1 1 3 1 0 1 0 1 0	1 2 1		2			HCURS 0.0 0.6 0.8 2.6 4.7 3.9 1.1 0.1 13.8 TIMF HOURS 0.0 0.1 0.2 3.1 7.6 0.2 0.0
VE 4195PEED LESS 100 150 200 250 350 460 450 550 700 TOTAL **ISSIC:* VE 4185PEED LETS 400 150 250 250 360 460 450 550 550	1	-1.8 15.66 1	-1.0	-0.6) 2	-0.2 68 12 22 1	0.2 411 149 23 24 26 11 1 1 0.2 1 27 38 60 38 20	1.4 56 248 43 73 50 16 3 3 16 489	1.8 1 32 24 26 17 9 9 1	2.2 10 22 18 4 56	2 9 14 5	1 4 7 7 5 1 1 8 3 . 0 1 1 3 1 0 1 0 1 0	1 2 1		2			HCURS 0.0 0.6 0.8 2.6 4.7 3.9 1.1 0.1 13.8 TIMF HOURS 0.0 0.1 0.2 3.1 7.6 0.2 0.0

MISSICE.	4	wż	IGHT	10000	AL	TITUDE	400										
VE AIRSPEED				•					N2 2,2	2,6	3,0	3,8	4.6	5.4	6.6	7.8	TIME
LESS 100	(E \$ 5	-1.8	-1.0	-0.6	-C.2	0,2	1,4	1.8	2,2	2,6	3,0	3,0	0	3.4	6.0		0.0
150 200		1 2 1	1		2	19	14	3									1.8
250 300		1	1		1	12	5	5	3								0.1
350 400																	
450 500																	
550																	
625 700									4								3.5
TOTAL		4	2		3	58	29	17	•								
~15510N	4	n!	. IG⊢T	10000	, 4	LTITUDE	50	000									
VF AIRSPEED		-1.8	-1.0	-0.6	-0.2	0,2	1.4	1,8	2.2	2.6	3.0	3,8	4.6	5,4	6.6	7.8	TIME
LESS	LESS	-1,0	-1.0		-0,2	0,2	•••	* • •	.,.	0	2,0	2,0			•.•	,.0	NOON 3
100 150																	0.0
200 250																	0.0
300 350																	
400																	
450 500																	
550 625																	
700 7 01al																	0.0
~15510N	4	w	EIG⊢T	11000	o A	L T I TUOE	L	FSS									
"ISSION VE AIRSPEED									N2	2.4	10			• •	. 14	7.	TIME
VE AIRSPEED LESS			EIG⊢T →I.0			0.2	1.4	F55 1.8	N2 2.2	2,6	3.0	3.8	4,6	5,4	6.6	7,8	TIME HOURS
VE AIRSPEED LESS							1.4		N2 2.2	2,6	3,0	3.8	4,6	5,4	6.6	7,8	HOURS
VE AIRSPEED LESS 100 150 200							1.4		N2 2.2	2,6	3,0	3.8	4,6	5,4	6.6	7.8	HOURS 0.0
VE AIRSPEED LESS 100 150 200 250 300									2.2	2.6	3.0	3.8	4,6	5,4	6.6	7,8	HOURS
VE AIRSPEED LESS 160 150 200 250 300 350 400							1.4	1.8	2.2		3.0	3.8	4,6	5,4	6.6	7.8	0.0 0.0
VE AIRSPEED LESS 160 150 200 250 300 350 400							1.4	1.8	2.2		3.0	3.8	4,6	5,4	6.6	7.8	0.0 0.0
VE AIRSPEED LESS 160 150 200 250 350 400 450 500 550							1.4	1.8	2.2		3.0	3.8	4,6	5.4	6.6	7.8	0.0 0.0
VE AIRSPEED LESS 100 150 200 250 300 350 400 450 550 625 700							4 6 5 2	1,8	2.2	1	3.0	3.8	4,6	5.4	6.6	7.8	0.0 0.0 0.0
VE AIRSPEED LESS 160 150 200 250 300 450 450 550 625							1.4	1.8	2.2		3.0	3.8	4.6	5,4	6.6	7,8	0.0 0.0
VE AIRSPEED LESS 160 150 200 250 300 450 450 500 500 625 700 TOTAL		-1.8			-0,2		1.4	1,8	2.2	1	3.0	3.8	4,6	5,4	6.6	7.8	0.0 0.0 0.0
VE AIRSPEED LESS 160 150 200 250 300 450 450 500 500 500 707 TOTAL	LESS	-1.6	⊕I.0	1:000	-0.2 C	0,2	1.4	2 2	2.2 N2	1			4.6				0.0 0.0 0.0 0.0
VE AIRSPEED LESS 160 150 200 250 350 400 450 550 625 700 TOTAL	LESS	-1.8	⊕I.0	1:000	-0.2 C	0.2	1.4	2	2.2 N2	1	3.0	3.8		5.4	6.6	7.8	0.0 0.0 0.0
VE AIRSPEED LESS 160 150 200 250 300 350 400 450 500 500 700 TOTAL VE AIRSPEED LESS 160 150	LESS	-1.6	⊕I.0	1:000	-0.2 C	0.2 0.2 0.2	1.4 4 6 5 2	2 2	2.2 N2	1							0.0 0.0 0.0 0.0
VE AIRSPEED LESS 160 150 200 250 300 350 400 500 500 500 70TAL VE AIRSPEED LESS 160 250 250	LESS	-1.6	⊕I.0	1:000	-0.2 C	0.2	1.4 4 6 5 5 2	2 2	2.2 N2	1							0.0 0.0 0.0 0.0
VE AIRSPEED LESS 160 150 200 250 300 450 450 550 625 700 TOTAL VE AIRSPEED LESS 160 150 250	LESS	-1.6	⊕I.0	1:000	-0.2 C	0,2 0,2 0,2	1.4 4 6 5 2	2 2	2.2 N2 2.2	1							0.0 0.0 0.0 0.0
VE AIRSPEED LESS 160 150 200 250 350 400 450 550 625 700 TOTAL VE AIRSPEED LF5S 160 250 250 250 250 250 250 250 250 250 25	LESS	-1.6	⊕I.0	1:000	-0.2 C	0,2 0,2 0,2	1.4 4 6 5 2 2 17 17 1.4 4 6 6 18	2 2 2 0000 1.8	2.2 N2 2.2	1							0.0 0.0 0.0 0.0 0.0
VE AIRSPEED LESS 160 150 200 250 300 350 400 450 500 500 70TAL VE AIRSPEED LESS 150 200 250 300 350 400 450 450 550	LESS	-1.6	⊕I.0	1:000	-0.2 C	0,2 0,2 0,2	1.4 4 6 5 2 2 17 17 1.4 4 6 6 18	2 2 2 0000 1.8	2.2 N2 2.2	1							0.0 0.0 0.0 0.0 0.0
VE AIRSPEED LESS 160 150 200 250 300 350 400 450 500 500 70TAL LISSICN VE AIRSPEED LESS 160 150 200 350 400 450 500 500 500 500 500 500 500 5	LESS	-1.6	⊕I.0	1:000	-0.2 C	0,2 0,2 0,2	1.4 4 6 5 2 2 17 17 1.4 4 6 6 18	2 2 2 0000 1.8	2.2 N2 2.2	1							0.0 0.0 0.0 0.0 0.0
VE AIRSPEED LESS 160 150 200 250 300 350 400 450 500 500 70TAL VE AIRSPEED LESS 150 200 250 300 350 400 450 450 550	LESS	-1.6	⊕I.0	1:000	-0.2 C	0,2 0,2 0,2	1.4 4 6 5 2 2 17 17 1.4 4 6 6 18	2 2 2 0000 1.8	2.2 N2 2.2	1							0.0 0.0 0.0 0.0 0.0

*15510N	4		EIGHT	11000		LTITUD	E :	2000									
VE AIRSPEED																	
LESS	L E S S	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3,0	4.6	5.4	6.6	7.8	TIME HOURS
150 200 250 300 350					2	2 2 27 21 2	1 8 60 87 2	2 6 9	1								0.0 0.2 0.8 0.7 0.0
400 450 500 550 625							2										0.0
7CO TOTAL					2	54	160	17	1								1.8
~15510÷.	4	n i	£1G+7	11000		FLITA	5	000									
ME AIRSPELD	LESS	-1 0	-1.3	-r.6	-0.2	0.2			NZ								TIME
LESS 100 150 200				• • • • •	-0,2	v.,.	1.4	1.6	2.2	2.6	3,0	3.8	4.6	5,4	6.6	7,8	HOUR5
250 300 350						5	62 110 10	1	2 4 1		2	1					0.2 1.0 1.5
4(n 450						1	3	3									0.1
500 550 625						2	1	1	1	1	2						0.0
TOTAL						28	190	16	8	1	6	1					2.9
*1551CN	4	» E	1 GHT	11000	A	LTITUDE	10	000									
AE : IMPREED									NZ								
LESS 100	LFSS	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	HOURS
150 200						5	31	20	1								0.0
253 300			1			3 15	5		٠	1	1						0.1
350 400			•			3	8	3 7 5	2	1	2	1					0.7
450					1	2	7 2	5		1	1						0.2
500 550					•		-	i		•	•	1					0.0
625 700																	
TOTAL			1		1	32	04	40	3	4	5	2					1.8
~1551C'.	L	n E	1G+T	11000	AL	TITUDE	150	000									
OF THE BEFO			, ,	•					٧Z								
LESS 100 150	(633)	-1.8	-1.0	-0.6	=0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.4	4.6	5.4	6.6	7.8	TIME HOURS
200 250 300						3	1 2 3	1									0.0 0.0 0.2
350 400					1	3 2 1	3	1	1								0.5
450 500 550 625					•	2	8	1 2	1								0.1
700 TOTAL					1	16	27	5	2								1.2

¥15510r.	4	wŁ	10×T	11000	A	LTITUCE	200	900									
VE AIRSPEED								,	٧Z								TIME
LESS	LESS.	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	HOURS 0.0
100						11	4										0.0
150 200						1 2	18	2									0.0 0.1
250						3	3	•	1								0.5
300 350						11	16	1	1	1	2						0.6
460							4	•	•	•	•						0.1
450 500																	0.0
550																	
625 700																	
TOTAL						34	63	6	3	2	3						2.6
								Ī									
1.16610:																	
15510%	•	WE	1GFT	11000		LTITUDE	30	000									
CBBGERIA BV	1 555	-1.8	-1 0	-0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0						TIME
LESS	(,,	-1.0		0		٠.٤	*		2.2	6	3.0	3.8	4.6	5.4	6.6	7.8	HOURS
100 150																	0.0
200		1		1	2	10	8	1	1	1							0.0
250 300	1	2		1	2	10 9 5	16 7 2	6 9 2	5	6	1	1					1.2
350		2	1	1		3	7 2	9	3	6	1 6 7	2	1				0.7
400						-		1			i		•				0.0
450 500																	0.0
550																	
625 700																	
TOTAL	1	7	1	3	4	28	34	10	13	15	15	3	2				2.3
₩15510r.	4	#E	1G+'T	11000) 🛦	LTITUDE	40	000									
VE AIRSPEED									N.7								TIME
	1 E 5 5	-1.8	-1.0	-0.6	-0.Z	0.2	1.4	1.8	2.Z	2.6	3.0	3.8	4.6	5.4	6.6	7.8	HOURS
LESS 100																	0.0
150						2	1	1									0.1
200 250		2	2	2	1	16	13	13	1 2	1	1						0.8
300		•	•	í		12		*5	3	•	i						0.1
350																	0.0
400 450																	
500 550																	
625																	
· co		_				4.1		,,		,	,						1.9
TOTAL		3	3	3	1	41	34	25	6	1	3						1.4

b. T-38 LTF

Mission 1 - Training

-1551Ch	1	wE)	GHT	7000	A	LTITUDE	1	000									
VE AIRSPEED			-1.0			0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	4.6	7.8	TIME HOURS
LESS	[633	-1.8	-1.0	-0.6	40.2	0.2		1.00	2.2	4.0	3,0	3.0		7,4	•.0	, • e	AU.W.S
100 150						1	3										0.0
200 250																	
300 350																	
400 450																	
500 550																	
550 625 700																	
TOTAL						1	3										0.0
#15510N	1	wE	l G⊬T	8000	A	LTITUOE		F5<									
VE AIRSPEED	. F4.4	-1.8	-1.0	-0.6	-J.2	0.2	1.4	1.8	7.2	2.6	3.0	3.8	4.6	5.4	4.6	7.8	TIME HOURS
LE55 100	(,0				•••	•••		,		,,,	3,0					0.0
150 200						7 16	43 10	5 1									0.5
250 300						2	5	•	1								0.1
350 400																	
450																	
500 550																	
625 700						••	20										2-2
TOTAL						25	58	6	1								0.9
~ I 5510r.	1																
		wf !	G-1	8000		LTITUDE	1	000									
VE AIRSPEED								,	v? 2 2	2.6	3.0	3.4	4.6	5.4	4.4	7.8	TIME
LESS			-1.0	_0.6	-0.2	0.2	1.4		2.2	2.6	3.0	3,4	4,6	5.4	6,6	7.8	HOUR 5
LESS 100 150						0.2	1.4	1.8	2.2	2.6		3,6	4.6	5,4	6,6	7.8	0.0 1.2
LESS 100 150 200 250					-0.2	0.2 19 45 171	1.4 118 52 116	1.8	2.2	2.6 y	3.0 2 1	3,6	4.6	5.4	6.6	7.8	0.0 1.2 1.5
LESS 100 150 200 250 300 350					=0.2 2	19	1.4 118 52	1.8	2.2		2	3,8	4.6	5.4	6.6	7.8	0.0 1.2 1.5
LESS 100 150 200 250 300 350 450					=0.2 2	0.2 19 45 171	1.4 118 52 116	1.8	2.2		2	3,6	4.6	5.4	6,6	7.8	0.0 1.2 1.5
LESS 100 150 200 250 300 350 400 450 500					=0.2 2	0.2 19 45 171	1.4 118 52 116	1.8	2.2		2	3,8	4.6	5.4	A.6	7.8	0.0 1.2 1.5
LESS 100 150 200 250 350 400 550 550 625 700					=0.2 2 3	0.2 19 45 171 17	1.4 118 52 118 13	3 14 57 5	2.2 21 34 3	у	2	3,4	4.6	5.4	6.6	7.8	0.0 1.2 1.5 1.7 0.1
LESS 100 150 200 250 300 450 550 550 625					=0.2 2	0.2 19 45 171	1.4 118 52 116	1.8	2.2		2	3,4	4.6	5.4	6.6	7.8	0.0 1.2 1.5
LESS 100 150 200 250 300 350 450 500 550 625 700 TOTAL		-1.8			=0.2 2 3	0.2 19 45 171 17	1.4 118 52 118 13	3 14 57 5	2.2 21 34 3	у	2	3,8	4.6	5.4	A.6	7,8	0.0 1.2 1.5 1.7 0.1
LESS 100 150 200 250 300 450 450 500 550 625 700 TOTAL	(ESS	-1.8 ∗E	=1.0	_0.6	2 3 5 A	0.2 19 45 171 17	1.4 118 52 118 13	1.8 3 14 57 5	2.2 21 34 3 58	y 7	2 1						HOURS 0.0 1.2 1.5 1.7 0.1
LESS 100 150 200 250 300 350 400 450 500 500 625 700 TOTAL PISSION VF AIPSPEED LESS	(ESS	-1.8	=1.0	_0.6	=0.2 2 3	0.2 19 45 171 17	1.4 118 52 118 13	1.8 3 14 57 5	2.2 21 34 3	у	2	3.8	4.6	5.4	6.6	7.8	0.0 1.2 1.5 1.7 0.1
LESS 100 150 200 250 300 350 400 550 500 550 625 700 TOTAL VISSION VF AIPSPEE0 LESS 100	(ESS	-1.8 ∗E	=1.0	_0.6	2 3 5 A	0.2 19 45 171 17 252	1.4 118 52 118 13 301	1.8 3 14 57 5	2.2 21 34 3 56	7	3,0						0.0 1.2 1.5 1.7 0.1
LESS 100 150 200 250 300 350 450 500 550 625 700 TOTAL MISSION VF AIPSPEED LESS 100 200 250	(ESS	-1.8 ∗E	=1.0	_0.6	2 3 5 A	0.2 19 45 1T1 17 252 1 TITUDE	1.4 118 52 110 13 301 1.4 92 135 373	1.8 3 14 57 5 5 86 1.8	2.2 21 34 33 58	7 2.6	2 1						O.0 1.2 1.5 1.7 0.1 4.5 TIMF HOURS
LESS 100 150 200 250 300 350 450 550 625 700 TOTAL *ISSION VF AIPSPEE0 LESS 100 150 200 3300 3300	(ESS	-1.8 ∗E	=1.0	_0.6	-0.2 2 3	0.2 19 45 171 17 252 0.2	1.4 118 52 118 13 3C1 E 2	1.8 3 14 57 5 5 84	2.2 21 34 3 58	7 2.6	3 3 0	3.6					O.0 1.2 1.5 1.7 0.1
LESS 100 150 200 250 300 350 400 550 500 625 700 TOTAL *ISSION VF AIPSPEE0 LESS 100 150 250 300 450 450	(ESS	-1.8 ∗E	=1.0	_0.6	-0.2 2 3	0.2 19 45 1T1 17 252 1 TITUDE	1.4 118 52 110 13 301 1.4 92 135 373	1.8 3 14 57 5 5 86 1.8	2.2 21 34 33 58	7 2.6	3 3 0	3.6					O.0 1.2 1.5 1.7 0.1 4.5 TIMF HOURS
LESS 100 150 200 250 300 350 400 550 625 700 TOTAL VI SSION VF AIPSPEE LESS 100 150 200 250 350 407 450 550	(ESS	-1.8 ∗E	=1.0	_0.6	-0.2 2 3	0.2 19 45 1T1 17 252 1 TITUDE	1.4 118 52 110 13 301 1.4 92 135 373	1.8 3 14 57 5 5 86 1.8	2.2 21 34 33 58	7 2.6	3 3 0	3.6					O.0 1.2 1.5 1.7 0.1 4.5 TIMF HOURS
LESS 100 150 200 250 300 350 450 500 550 625 700 TOTAL MISSION VF AIPSPEED LESS 100 250 350 350 467 450 550	(ESS	-1.8 ∗E	=1.0	_0.6	-0.2 2 3	0.2 19 45 1T1 17 252 1 TITUDE	1.4 118 52 110 13 301 1.4 92 135 373	1.8 3 14 57 5 5 86 1.8	2.2 21 34 33 58	7 2.6	3 3 0	3.6					O.0 1.2 1.5 1.7 0.1 4.5 TIMF HOURS

* 15510A	1		mE1GH	F #000)	ALTITUD	E	5000									
VF AIRSPEED									4. 7								
LE55 100 150	ı ES	5 -1.	8 -1,	0.0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3,0	3.0	4.6	5.4	6.6	7.8	TIME HCURS
200						7	10	1									0.2
250 300						13 36	24 73	à			1						0.3
350 400							9	1		2	1						0.1
450																	0.0
500 550																	0.0
625 700																	
TOTAL						56	116	11	1	2	2						1.6
¥15510N																	
	1	*	EIGHT	6000		L T1TUDE	10	0000									
VE AIRSPEED									NZ								
LESS 100	(23	-1.8	-1.0	-0.6	-0,2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIMF HOURS
150 200						2	16		1								0.0
250 300						4	6	2	1		2	,					0.1
350		1				2	1	•	•	1	•	1	1 2				0.3
400 450							•					2	2				0.0
500 550											1						0.0
625																	
700 TOTAL		1															
		•					36	2	2	1	3	3	3				0.6
#15510N	1	#I	EIGHT	8000	A	LTITUDE	15	000									
VE AIRSPEED									ΝŽ								
LESS	(E55	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	2.2	2.0	0	3.8	4.6	5.4	4.6	7.8	TIME
100 150						10	5					-	•		0	***	HOURS 0.0
200					1	1	2	1									0.0
250 300						1	3		1	1			1				0.0
350 400						3	6	1	1 2				•				0.3
450									-	1		2	1				0.1
500 550																	0.0
625 T00																	
TOTAL					1	15	20	2									
						••	, .	-	4	2		á	2				0.7
M15510N	1	wE;	GHT	₽000	AL:	TITUDE	200	00									
VE AIRSPEED																	
LESS	LESS	-1.8	-1.0	-0.6 -	0.2	0,2	1.4	2.8 N	2.2	2.6	3.0	3.8	4.6	5.4	4.6	7.8	TIME
100 150 200														• (•	•••	·••	HOURS
250 300						2 4 3	27		1								0.0
350						3	13	1	ž	3	1	2					0.1
400 450							1										0.7
500																	
550 625																	
TOTAL																	
						9	47	1	3	4		2					1.4

415510N		, E	IG∺T	9000	A;	TITUDE	Li	r55									
VE ATRSPEED									νZ								TIME
LE55	LF55	-1.8	-1.0	-C.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	HOUR 5
100 150						21	100	8									0.0
200 250						69	48	1	7	6	6						2.0
300						.,	4	-	1		•						0.0
350 400																	
450 500																	
550 625																	
TOTAL						103	184	13	8	6	7						3.7
							7/1			-							
*1551CN	1	"E	1GHT	9000		LTITUDE	1	200									
VF AIRSPEED	LE55	-1.8	-1.0	_0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIMF HOURS
LE55 100																	0.0
150 200					1	63	150 80	23 71	67	1 8	1						3.6
250 300					1	338 16	30g 21	215	161	24	7 2						6.2
350 400					•				_	•	•						
450 500																	
550 625																	
700																	
TOTAL					4	443	559	315	233	35	11						11.8
15510N	١	w E	14mY	9000		TITUDE	2	non									
VF AlmSPEED		#E		9000	-0.2	.T1TUDE	1.4		NZ 2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIME HOURS
						0,2	_		NZ 2,2	2,6	3,0	3.8	4,6	5.4	6.6	7.8	HOUR 5
VF A1R5PEED LESS 100 150					-0.2 1	0,2	1.4	1.8	2.2			3.8	4.6	5,4	6.6	7.8	0.0 1.2
VF A1R5PEED LES5 100 150 200 250				•0.6	-0.2	0.2 1 13 66 306	1.4 110 112 369	1.8 23 68	61	9 35	1 8	3.8	4.6	5.4	6.6	7.8	0.0 1.2 3.3
VF A1R5PEED LE55 100 150 200 250 350 350				•0.6	-0.2 1	0.2 1 12 66	1.4 110 112 369 58	1.8 23 68 173 12	61	9	1		4.6	5,4	6.6	7.8	0.0 1.2 3.3 6.4 0.5
VF A1R5PEED LESS 100 150 200 250 300 350 400				•0.6	-0.2 1	0.2 1 13 66 306	1.4 110 112 369 58	1.8 23 68	61	9 35	1 8	1	4,6	5.4	6,6	7,8	0.0 1.2 3.3 6.4 0.5
VF A1R5PEED LESS 100 150 200 250 300 400 450 500				•0.6	-0.2 1	0,2 1 13 66 306 40	1.4 110 112 369 58 2	1.8 23 68 173 12	61	9 35	1 8	1	4.6	5.4	6.6	7.8	0.0 1.2 3.3 6.4 0.5 0.0
VF A1R5PEED LESS 100 150 200 250 300 350 400 450 500 625				•0.6	-0.2 1 1 6	0.2 1 12.66 306 40	1.4 110 112 369 58 2 1	1.8 23 6R 173 12	61 131 5	9 35 2	1 8 2	1	4.6	5.4	6.6	7.8	0.0 1.2 3.3 6.4 0.5 0.0 0.0
VF A1R5PEED LESS 100 150 200 250 300 400 450 500 500 500				•0.6	-0.2 1	0,2 1 13 66 306 40	1.4 110 112 369 58 2	1.8 23 68 173 12	61	9 35	1 8	1	4.6	5.4	6.6	7.8	0.0 1.2 3.3 6.4 0.5 0.0
VF A1R5PEED LESS 100 150 200 250 300 350 400 450 550 625 700 101AL		-1.8		•0.6	-0.2 1 1 6	0.2 1 12.66 306 40	1.4 110 112 369 58 2 1 2	1.8 23 6R 173 12	61 131 5	9 35 2	1 8 2	1	4.6	5.4	6.6	7.8	0.0 1.2 3.3 6.4 0.5 0.0 0.0
VF A1R5PEED LESS 100 150 200 250 300 350 400 450 500 550 625	LE55	≠1.8 #E	-1.0	+0.6 1	-0.2 1 1 6	0,2 1 15 66 306 40 1	1.4 110 112 369 58 2 1 2	1.8 23 68 173 12 2	61 131 5	9 35 2	1 8 2	1 1					0.0 1.2 3.3 6.4 0.5 0.0 0.0 11.5
VF AIRSPEED LESS 100 150 200 250 300 400 450 500 500 625 700 101AL **ISSION VE AIRSPEED LESS	LE55	-1.8	-1.0	•0.6 1	-0.2 1 1 6	0.2 1 15. 66. 306. 40	1.4 110 112 369 58 2 1 2	1.8 23 68 173 12 2	61 131 5	9 35 2	1 8 2	1	4.6	5.4	6.6	7.8	HOURS 0.0 1.2 3.3 6.4 0.5 0.0 0.0 0.0 11.5
VF A1R5PEED LESS 100 150 200 250 300 450 450 500 500 707AL **15510A	LE55	≠1.8 #E	-1.0	+0.6 1	-0.2 1 1 6	0.2 1 15 66 506 506 50 1	1.4 110 112 369 58 2 1 2	1.8 23 68 173 12 278	61 131 5	9 35 2	1 8 2	1 1					HOURS 0.0 1.2 3.3 6.4 0.5 0.0 0.0 11.5
VF A1R5PEED LESS 100 150 200 300 350 400 450 500 500 707AL **15510A VE A1R5PEED LESS 100 200 250 250 200 250 250 200 250 250 2	LE55	≠1.8 #E	-1.0	+0.6 1	-0.2 1 1 6	0.2 1 15. 66. 306. 40 1 429 1 TITUDE	1.4 110 112 369 58 2 1 2 654	1.8 23 68 173 12 278 000	2.2 61 131 5	9 35 2 46	1 8 2	2	4.6				O.0 1.2 3.3 6.4 0.5 0.0 0.0 0.0 11.5
VF A1R5PEED LESS 100 150 200 250 300 450 450 500 550 700 177AL **15510A VE A1R5PEED LESS 100 250 350 350 350 350	LE55	≠1.8 #E	-1.0	+0.6 1	-0.2 1 1 6	0.2 1 15 66 306 40 1 429 1 TITUDE 0.2 15 23 53 3	1.4 110 112 369 58 2 1 1 2	1.8 23 68 173 12 2 278 000	2.2 61 131 5	9 35 2 46	1 8 2 2 11 1 1 3 • 0 2 2 8	1 1					HOURS 0.0 1.2 3.3 6.4 0.5 0.0 0.0 11.5
VF A1R5PEED LESS 100 150 200 250 300 450 500 550 625 700 TOTAL **15510A VE A1R5PEED LESS 100 150 200 250 350 460 450 450	LE55	≠1.8 #E	-1.0	+0.6 1	-0.2 1 1 6	0.2 1 15. 66. 306. 40 1 429 1 TITUDE	1.4 110 112 369 58 2 1 2 654	1.8 23 68 173 12 278 000	2.2 61 131 5	2.6	1 8 2 2 11 11 3.0	1 1 2 3.8	4.6				0.0 1.2 3.3 6.4 0.5 0.0 0.0 0.0 11.5
VF A1R5PEED LESS 100 150 200 250 300 450 500 550 625 700 TOTAL **15510N VE A1R5PEED LESS 100 150 200 250 300 450 550 550 550 550 550	LE55	≠1.8 #E	-1.0	+0.6 1	-0.2 1 1 6	0.2 1 15 66 40 1 429 1717UDE 0.2	1.4 110 112 369 58 2 1 1 2	1.8 23 68 173 12 278 000	2.2 61 131 5	2.6	11 8 2 11 3.0	1 1 2 3.8	4.6				O.0 1.2 3.3 6.4 0.5 0.0 0.0 0.0 11.5 11.5
VF A1R5PEED LESS 100 150 200 300 350 400 450 500 500 TOTAL **15510A VE A1R5PEED LESS 100 200 300 350 400 400 450	LE55	≠1.8 #E	-1.0	+0.6 1	-0.2 1 1 6	0.2 1 15 66 40 1 429 1717UDE 0.2	1.4 110 112 369 58 2 1 1 2	1.8 23 68 173 12 278 000	2.2 61 131 5	2.6	11 8 2 11 3.0	1 1 2 3.8	4.6				0.0 1.2 3.3 6.4 0.5 0.0 0.0 0.0 11.5

			1 GHT			TITUDE	• • •										
+15510N	1	•	1001	9000	-	111006	100										
VE AIRSPEED	ı F55	-1.8	-1.0	.0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIME HOURS
LE55 100						2	17										0.0
150						1	29	1	1								0.1
200 250					1	23	43	. 5	1	3 5	1	1 2					2.0
300						15	35	16	4	5	6 7	6	3				0.6
350 400					1	5	11	9	1 2	3	7	8	7	1 2			0.2
450					1	á	1	ī	ī	4	3	ž	2	ī			0.1
500 550							1			1		1	1				0.0
625												•					
700 Total					3	56	143	44	14	24	26	30	21	4			3.6
					•	10			-			-					-150
#15510A	1	wE	1 G+7	9000	A	TITUDE	15	000									
VF AIRSPEED	•						•										TIME
	L F 5 5	-1.8	-1.0	.0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	HOURS
LESS 100						88	7										0.1
150					1	21	53	15									0.1
200					?	12	21	10	3	3	. 3	_					0.8
250 300					3	15	37 61	22	10	16	11	27	13	1			2.1
350		1				11	5	7	5	8	29 26	23	19	5			0.7
400 450						5	4 2	2	1	5	14	12	13	4			0.3
500											1	Ī	_				0.0
550 625																	
700									ra.	_	11.						
TOTAL		1			6	175	190	79	26	39	91	70	49	10			6.6
≥15510N	1	wE	I GHT	9000	A	t I TUOE	20	000									
MISSION VF AIRSPEED	1						-		NZ								TIME
VF AIRSPEED	1 1 F55	wE -1.8		9000	-0,2	0,2	1_4		NZ 2.2	2.6	3,0	3,6	4.6	5,4	4.6	7.8	HOURS
VF AIRSPEED LESS 100				-0.6 1	-0.2 1	0.2	1.4		NZ 2.2	2.6	3.0	3,6	4.6	5,4	4.6	7.8	HOURS 0.0 0.0
VF AIRSPEED LESS 100 150				-0.6	-0.2 1	0.2 8 10	1.4	1.6	2.2				4.6	5,4	4.6	7.8	0.0 0.0 0.1
VF AIRSPEED LESS 100 150 200 250				_0.6	-0.2	0.2 8 10 27	1.4 10 39 186	1,8 1 21 63	10	11	1 12	1 7		5,4	6.6	7.8	0.0 0.0 0.1 1.4 5.8
VF AIRSPEED LESS 100 150 200 250 300				_0.6	-0.2 1 1 5 4 2	0.2 8 10 27 98 58	1.4 10 39 188 160	1,8 1 21 63 47	10 24 35	11 13	1 12 26	1 7 11	4.6	5,4	6.6	7.8	0.0 0.0 0.1 1.4 5.8
VF AIRSPEED LESS 100 150 200 250 300				_0.6	-0.2	0.2 8 10 27	1.4 10 39 186	1,8 1 21 63	10	11	1 12	1 7		5,4	*.6	7.6	0.0 0.0 0.1 1.4 5.8
VF AIRSPEED LESS 100 150 200 250 300 350 400				_0.6	-0.2 1 1 5 4 2	0.2 8 10 27 98 58	1.4 10 39 188 160 15	1,8 1 21 63 47	10 24 35	11 13	1 12 26 12	1 7 11 5		5,4	4.6	7,8	HOURS 0.0 0.0 0.1 1.4 5.8 4.6
VE AIRSPEED LESS 100 150 200 250 300 350 400 450 500				_0.6	-0.2 1 1 5 4 2	0.2 8 10 27 98 58	1.4 10 39 188 160 15	1,8 1 21 63 47	10 24 35	11 13	1 12 26 12	1 7 11 5		5,4	*.*	7.8	HOURS 0.0 0.0 0.1 1.4 5.8 4.6
VF AIRSPEED LESS 100 150 200 250 300 400 450 550 550				_0.6	-0.2 1 1 5 4 2	0.2 8 10 27 98 58	1.4 10 39 188 160 15	1,8 1 21 63 47	10 24 35	11 13	1 12 26 12	1 7 11 5		5,4	4.6	7.8	HOURS 0.0 0.0 0.1 1.4 5.8 4.6
VF AIRSPEED LESS 100 150 200 250 300 350 400 450 500				_0.6	-0.2 1 1 5 4 2	0.2 8 10 27 98 58	1.4 10 39 188 160 15	1,8 1 21 63 47	10 24 35	11 13	1 12 26 12	1 7 11 5		5,4	6.6	7.8	HOURS 0.0 0.0 0.1 1.4 5.8 4.6
VF AIRSPEED LESS 100 150 200 250 300 400 450 500 550 625 700 TOTAL		-1.8	-1.0	-0.6 1 1 2 2 1	-0.2 1 1 5 4 2 1	0,2 8 10 27 98 58 8 1	1.4 10 39 188 160 15 1	1.8 1 21 63 47 5	10 24 35 7	11 13 6	1 12 26 12 2	1 7 11 5	1	5,4	*.*	7.8	HOURS 0.0 0.0 1.1 1.4 5.8 4.6 0.4
VE AIRSPEED LESS 100 150 200 250 300 450 450 550 625 700		-1.8		2 2 1	-0.2 1 1 5 4 2 1	0.2 8 10 27 98 58 8	1.4 10 39 188 160 15 1	1.8 1 21 63 47 5	10 24 35 7	11 13 6	1 12 26 12 2	1 7 11 5	1	5,4	***	7.8	HOURS 0.0 0.0 0.1 1.4 5.8 4.6 0.4
VF AIRSPEED LESS 100 150 200 250 300 350 400 550 625 700 TOTAL **ISSION	1 F 5 5	-1.8	-1.0	-0.6 1 1 2 2 1	-0.2 1 1 5 4 2 1	0,2 8 10 27 98 58 8 1	1.4 10 39 188 160 15 1	1.8 21 63 47 5	10 24 35 7	11 13 6	1 12 26 12 2	1 7 11 5	1	5,4	6.6	7.6	HOURS 0.0 0.0 0.1 1.4 5.8 4.6 0.4
VF AIRSPEED LESS 100 150 200 250 300 350 400 450 500 570 TOTAL MISSION VE AIRSPEED	1 F55	-1.8 wE	-1.0	20.6 1 1 2 2 1	-0.2 1 1 5 4 2 1	0,2 8 10 27 98 58 1	1.4 10 39 186 160 15 1	1.8 1 21 63 47 5	2.2 10 24 35 7	11 13 6	1 12 26 12 2	1 7 11 5 1	1				HOURS 0.0 0.1 11.4 5.8 4.6 0.4 0.4 0.0
VF AIRSPEED LESS 100 150 200 250 300 350 400 450 500 500 TOTAL MISSION VE AIRSPEED LESS 100	1 F55	-1.8 wE	-1.0	20.6 1 1 2 2 1	-0.2 1 1 5 4 2 1	0.2 8 10 27 98 58 8 1	1.4 10 39 186 160 15 1 413	1.8 21 43 47 5	2.2 10 24 35 7	11 13 6	1 12 26 12 2	1 7 11 5 1	1				HOURS 0.0 0.1 1.4 5.8 4.6 0.0 12.4 TIME HOURS 0.0
VF AIRSPEED LESS 100 150 200 250 300 350 400 450 500 625 700 TOTAL *ISSION VE AIRSPEED LESS 100 150 200	1 F55	-1.8 wE	-1.0	20.6 1 1 2 2 1	-0.2 1 1 5 4 2 1	0.2 8 10 27 98 58 8 1	1.4 10 39 186 160 15 1	1.8 21 43 47 5	2.2 10 24 35 7	36	1 12 26 12 2 53	1 7 11 5 1	1				HOURS 0.0 0.0 0.1 1.4 5.8 4.4 0.4 0.0
VF AIRSPEED LESS 100 150 200 250 300 400 450 550 500 707AL MISSION VE AIRSPEED LESS 100 150 250 250 300	1 F55	-1.8 wE	-1.0	20.6 1 1 2 2 1	-0.2 1 1 5 4 2 1	0.2 8 10 27 98 58 8 1	1.4 10 39 188 160 15 1 1 413	1.8 121 63 47 5	2.2 10 24 35 7	11 13 6	1 12 26 12 2	1 7 11 5 1	1				HOURS 0.0 0.1 11.4 5.8 4.4 0.4 0.4 0.0
VF AIRSPEED LESS 100 150 200 250 300 350 400 450 500 500 707AL MISSION VE AIRSPEED LESS 100 150 200 250 300 350	1 F55	-1.8 wE	-1.0	-0.6 1 1 2 7 9000	-0.2 1 1 5 4 2 1	0,2 8 10 27 98 58 1	1.4 10 39 188 180 15 1 1 413	1.8 121363 4755 137	2.2 10 24 35 7	36	1 12 26 12 2 53	1 7 11 5 1	1				HOURS 0.0 0.0 0.1 1.4 5.8 4.4 0.4 0.0
VF AIRSPEED LESS 100 150 200 250 300 300 400 450 500 625 700 TOTAL ►ISSION VE AIRSPEED LESS 100 150 200 250 300 350 400 450	1 F55	-1.8 wE	-1.0	-0.6 1 1 2 7 9000	-0.2 1 1 5 4 2 1	0,2 8 10 27 98 58 1	1.4 10 39 188 160 15 1 1 413	1.8 121363 4755 137	2.2 10 24 35 7	36	1 12 26 12 2 53	1 7 11 5 1	1				HOURS 0.0 0.1 11.4 5.8 4.4 0.4 0.4 0.0
VF AIRSPEED LESS 100 150 200 250 300 350 400 450 500 500 TOTAL MISSION VE AIRSPEED LESS 100 200 250 300 350 450 450 500 500 500 500 500 500 500 5	1 F55	-1.8 wE	-1.0	-0.6 1 1 2 7 9000	-0.2 1 1 5 4 2 1	0,2 8 10 27 98 58 1	1.4 10 39 188 160 15 1 1 413	1.8 121363 4755 137	2.2 10 24 35 7	36	1 12 26 12 2 53	1 7 11 5 1	1				HOURS 0.0 0.1 1.4 5.8 4.6 0.4 0.4 0.0
VF AIRSPEED LESS 100 150 200 250 300 350 400 550 625 700 TOTAL **ISSION VE AIRSPEED LESS 100 150 200 350 400 450 500 550 625 700 700 800 800 800 800 800 800 800 800	1 F55	-1.8 wE	-1.0	-0.6 1 1 2 7 9000	-0.2 1 1 5 4 2 1	0,2 8 10 27 98 58 1	1.4 10 39 188 160 15 1 1 413	1.8 121363 4755 137	2.2 10 24 35 7	36	1 12 26 12 2 53	1 7 11 5 1	1				HOURS 0.0 0.1 11.4 5.8 4.4 0.4 0.4 0.0
VF AIRSPEED LESS 100 150 200 250 300 350 400 450 500 TOTAL MISSION VE AIRSPEED LESS 100 150 250 300 350 400 400 550 605 500 605 605 605 605 605 605 6	1 F55	-1.8 wE	-1.0	-0.6 1 1 2 7 9000	-0.2 1 1 5 4 2 1	0,2 8 10 27 98 58 1	1.4 10 39 188 160 15 1 1 413	1.8 121363 4755 137	2.2 10 24 35 7	36	1 12 26 12 2 53	1 7 11 5 1	1				HOURS 0.0 0.1 11.4 5.8 4.4 0.4 0.4 0.0

-15510N	1	E	1G+7	10000		TITUDE	1.1	55									
VF ALRSPEED	4			10000					ΝZ								TIME
LESS	L F 5 5	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	HOURS
100						_											
150 200						16	30 17	3 2	1								0.4
250 300						9	13	5	1								0.0
350						•	•	•									
400 450																	
500 550																	
625 700																	
TOTAL						28	61	11	2								1.5
-1551CN	1	#E	1G+T	10000		LTIT DE	10	00 c									
VF AIRSPEED									NZ			٠.					TIME
LESS	(E 5 5	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	HOURS
100 150						9	50	11									0.7
200						16	32 150	3 R 140	15 72	14							1.7
250 300					•	4	32	140	3	3	5 2						0.2
350 400																	
450 500																	
550																	
625 700																	
TOTAL					4	173	264	193	90	\$1	7						6.4
+155104	1	" E	IG+T	10000		LTITUDE	2	200									
HISSION	1	, E	EIGHT	10000	, A	LTITUDE	2	000	u.7								TIME
VF AIRSPEED		-1.8			-0,2	0,2	1,4		NZ 7.2	2.6	3.0	3.8	4,6	5.4	6.6	7.8	TIMF HOURS
VF AIRSPEED LESS 100						0,2	1,4		NZ 7.2	2,6	3.0	3.8	4,6	5.4	6.6	7.8	HOURS
VF AIRSPEED LESS 100 150					-0.2	0,2	1,4	1.8	,,2	2	3.0	3,8	4,6	5,4	6.6	7.8	HOURS 0.2
VF AIRSPEED LESS 100 150 200 200						0.2 2 11 85	1,4 12 24 119	1 .8 1 14 41	9 47	2 3	3.0	3.a	4.6	5,4	6.6	7.8	0.2 0.6 2.5
VF AIRSPEED LESS 100 150 200 250 300					-0.2	0.2 2	1,4	1.8	7. 2	2		3.8	4,6	5.4	6.6	7.8	0.2 0.6
VF AIRSPEED LESS 100 150 200 250 300 300 400					-0.2	0.2 2 11 85	1,4 12 24 119	1 .8 1 14 41	9 47	2 3		3,8	4,6	5,4	A.6	7.8	0.2 0.6 2.5
VF AIRSPEED LESS 100 150 200 250 350 400 450 500					-0.2	0.2 2 11 85	1,4 12 24 119	1 .8 1 14 41	9 47	2 3		3,8	4.6	5,4	ń.6	7.8	0.2 0.6 2.5
VF AIRSPEED LESS 100 150 250 360 350 400 450 500 500					-0.2	0.2 2 11 85	1,4 12 24 119	1 .8 1 14 41	9 47	2 3		3.8	4.6	5,4	6.6	7.8	0.2 0.6 2.5
VE AIRSPEED LESS 100 150 200 250 300 400 450 500					-0.2	0.2 2 11 85	1,4 12 24 119	1 .8 1 14 41	9 47	2 3		3.8	4.6	5.4	ń.6	7.8	0.2 0.6 2.5
VF AIRSPEED LESS 100 150 200 250 360 360 450 600 625 700					-0,2 1 3	0,2 2 11 85 6	1,4 12 74 119 12	1 • 8 1 14 4 1 1	9 47 3	3	2	3,8	4,6	5,4	A.6	7.8	0.2 0.6 2.5 0.2
VF AIRSPEED LESS 100 150 200 250 360 360 450 600 625 700		-1.8			-0,2 1 3	0,2 2 11 85 6	1,4 12,74 119,12	1 • 8 1 14 4 1 1	9 47 3	3	2	3.8	4.6	5.4	A.6	7.8	0.2 0.6 2.5 0.2
VF AIRSPEED LESS 100 150 200 300 350 400 450 500 500 500 700	· FSS	-1.8	-1.0	10000	-0.2 1 3	0,2 2 11 85 6	1,4 12,74 119,12	1 .8 1 14 41 1 1 57	9.2 9.47 3.3 59	2 3 1	2		4.6	5.4		7.8	0.2 0.6 2.5 0.2
VF AIRSPEED LESS 100 150 200 300 350 400 450 500 500 500 700 TOTAL	· FSS	-1.8	-1.0	10000	-0,2 1 3	0,2 2 11 85 6	1,4 12,74 119,12	1.8 1.4 41 1	9 47 3	3	2	3,8			A.6		0.2 0.6 2.5 0.2
VF AIRSPEED LESS 100 150 250 300 350 450 500 550 625 700 TOTAL PISSION VF AIRSPEED LESS 100 150	· FSS	-1.8	-1.0	10000	-0.2 1 3	0.2 2 11 85 6	1,4 12,74 119 12 167 167	1 .8 1 14 41 1 1 57	9.2 9.47 3.3 59	2 3 1	2						0.2 0.6 2.5 0.2 3.5
VE AIRSPEED LESS 100 150 200 250 360 450 450 550 625 700 TGTAL P1SSION VF AIRSPEED LESS 100 150 200	· FSS	-1.8	-1.0	10000	-0.2 1 3	0,2 2 11 85 6	1,4 12,74 119,12	1 .8 1 14 41 1 1 57	9.2 9.47 3.3 59	2 3 1 1	2						0.2 0.6 2.5 0.2 3.5 71MF HOURS
VF AIRSPEED LESS 100 250 360 350 400 450 500 500 510 VF AIRSPEED LESS 100 150 200 250 360	· FSS	-1.8	-1.0	10000	-0.2 1 3	0.2 2 11 85 6	1,4 12,24 1119 12 167 5,1,4	1.8 1 14 4 4 1 1 1 57 7 1 1	9,2 9,47 3 59	2 3 1 6	2	3.0	4.6	5.4			0.0 0.6 2.5 0.2 3.5 71MF MOURS
VF AIRSPEED LESS 100 200 300 350 400 450 500 500 500 TOTAL VF AIRSPEED LESS 100 150 200 230 330 330 400	· FSS	-1.8	-1.0	10000	-0.2 1 3	0,2 2 11 85 6	1,4 12,24 119,12 167	1.8 1 1 1 4 4 1 1 57 1 1 1	9,2 47,3 59	2 3 1 1	2 3.0	3.8	4.6				0.0 0.6 2.5 0.2 3.5 TIME HOURS
VF AIRSPEED LESS 100 200 200 300 300 450 500 550 625 700 TOTAL VF AIRSPEED LESS 100 200 250 300 300 300 350	· FSS	-1.8	-1.0	10000	-0.2 1 3	0,2 2 11 85 6	1,4 12,74 119,12 167	1.8 1 14 4 4 1 1 1 57 7 1 1	9,2 9,47 3 59 NZ 2,2	2 3 1 1	2 3.0	3.8	4.6	5.4			0.0 0.6 2.5 0.2 3.5 71MF MOURS
VE AIRSPEED LESS 100 250 350 400 550 625 700 TGTAL P15510A VF AIRSPEED LESS 100 150 250 350 450 450 550 550	· FSS	-1.8	-1.0	10000	-0.2 1 3	0.2 2 11 85 6 104 104 113 3	1,4 12,74 119,12 167	1.8 11441 1157 57	9,2 9,47 3 59 NZ 2,2	2 3 1 1	2 3.0	3.8	4.6	5.4			0.2 0.6 2.5 0.2 3.5 TIMF HOURS 0.0 0.3 2.2 0.6 0.1 0.1
VF AIRSPEED LESS 100 200 200 300 300 450 500 550 625 700 TOTAL VF AIRSPEED LESS 100 200 250 300 300 300 350	· FSS	-1.8	-1.0	10000	-0.2 1 3	0.2 2 11 85 6 104 104 113 3	1,4 12,74 119,12 167	1.8 11441 1157 57	9,2 9,47 3 59 NZ 2,2	2 3 1 1	2 3.0	3.8	4.6	5.4			0.2 0.6 2.5 0.2 3.5 TIMF HOURS 0.0 0.3 2.2 0.6 0.1 0.1

VF AIRSPEE				E I GH T		000	Αį	TIYUD	E	10000											
LESS 100 150		55	-1.8	-1.	•0.	6 -	0.2	0.2	1.	- •	NZ 8 2	. 2	2.6	3.0	3,	.8 4	.6	5.4	6.6	7.0	TIME
200 250 300						1	1	1 6 10	3	3 14	•	2	2	1							0. 0.
350 400 450 500 550 625 700 TOTAL							2 3 2 1	14 16 15 11	11 2	14	1	12 18 7 3 9	14 16 15 11	29 29 23 10	3 3	3 3	5 27 23 21 5	1 5 6 4	2		0.9 2.9 1.3 0.9 0.3
					1	l	10	79	154	73	7	1	62	195	117		2	16	3		7.5
MISSION VF AIRSPEED	1		₩E Į	GHT	1000	0	AL T I	TUDE	1 !	500n											7.3
LESS 100	(ES	5 -1	.8	-1.0	-0.6	- 0.		. 2	1_4	1.8	N2 2.2	٠ :	2,6	3,0	3.8	4.6		5.4	4.6		TIME
150 200 250 300				1			3	55	10 139 59	32 71	1 16		11					•	".0	7.0	HOURS 0.2
350 400 450 500 550 625 700			1		3 1		3 1	6 1	91 62 31 12 3	54 46 12 7	47 40 22 5		41 27 15 2	46 49 33 9 3	1 15 41 26 14 2	8 41 7 7		2 4 1			1.6 2.4 4.1 3.6 1.1 0.3 0.0
TOTAL			1	1	4	25	27	9 4	07	224	132		97	149	99	64		7			13.4
WISSION VF LIRSPEED	1 F55	-1.	wE I G		10000		ALTITI		200												
LESS 100 150 200		•••		•0 .	•0.6	-0.2 2 8	0,2 14 26		2	5 - B	7.2	2.	6 :	3,0	3,8	4.6	5.	4 ,	6,6	7.8	TIME
250 300 350 400 450 550 625 760		1			1	13 5	67 86 70 11	22	9	43 85 66 8	2 20 61 45 3	31	ı	2 16 29 14 2	3 3 2	2 2 1					0.1 0.5 3.2 9.5 7.9 0.9 0.0
TOTAL		1			1	33	274	543	3 ;	20 _{6 1}	31	65		3							
MISSION	1	wE	1GHT		000									,-	•	5					22.2
VF AIRSPEED						Αį	TITUO	E 3	0000												
LE55 100 150 200 250	1E55 -	1.8	-1.0	•• •o	•6 =0	• 2	1 6	1.4				2.6	3.	0 3.	.8 4	6	5.4	6.0	6 7.		THE IOURS
300 350 400 450 500 550 625 700 TOTAL						1	19 10 1	23 97 55		9 37 1 16	3 6 9	1 5 2	1	•	1						0.0 0.9 3.3 1.6 0.0
•						2	37	176	6	2 2	8	A	6	2	,						5.8

	+ 1551CA	,	_m E	1 G ~ T	10000	AL	.TITUBE	400	000									
VF	AIRSPEED	1 558	-1.8	-1 0	-0.6	-0.2	0.2	1.4	1.8	NZ 2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIME
	LES5 100	1233					***					-••	3.00					- Gong
	150 200						1	1				1						0.1
	250 300 350						1	1										0.1
	400 450																	
	500 550																	
	625 700																	
	TOTAL						4	3				1						0.1
	~15510N	1	wE	I GHY	11000		TITUDE	L	F55									
٧F	AIRSPEFD		-I.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8					TIME
	LE55 100	1733	-1.6	-1.0	•••	-0.2	0.2		***		*•0	3.0	7.0	4.6	5.4	6.6	7.8	HOURS
	200						13	7	1									0.1
	250 300						6	34 11	2	1								0.2
	350 400 450																	
	500 550																	
	625 700																	
	TOTAL						21	61	7	1								0.7
	₩1551Ct.	1	wE	1GHT	11000	A	TITUDE	1	000									
٧E	AIRSPEED	LESS	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	NZ 2.2	2.6	3.0	3.6	4.6	5.4	6.6	7.8	TIME
	LESS 100																	
	150 200						8	16 23 87	11	3								0.2
	250 300 350					2	31 6	21	42	20	1							0.1
	400																	
	500 550																	
	625 700 TOTAL					3	49	147		23	1							2.4
	ISIAL					,	44	147	54	23	•							2.4
	#15510N	1	wE	I GHT	11000	A	LTITUDE	2	000									
٧E	AIRSPEED									2.2					_		_	TIME
	LESS 100	1735	-1.6	-1.0	-0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	HOURS
	150 200						2	2 16	,	3								0.1
	250 300					1	27 25	16 26 54	15 3	9	3							1.1
	350 400						7	1	1									0.0
	450 500 550																	
	625																	
	TOTAL					1	66	99	21	12	3							2.3

MISSICH	1	mE 1G	HT	11000	A	TITUDE	5′	nor									
VE AIRSPEED									v 2								TIME
	1 E \$5	-1.8 -	1.0	-0.6	-0.2	0.2	1.4	1.6	7.2	2.6	3.0	3.6	4.6	5.4	6.6	7.8	HOURS
LESS 100																	
150					1	_											0.1
200 250					1	5	3	3			1						0.3
300 350						12	42	3	1	1							1.2
400											1	1					0.0
450 500																	0.0
550																	•••
625 700																	
TOTAL					3	22	54	7	1	1	3	1					2.5
		٠.,															
wission.	i	wE ! G) P T	11000	A	TITUDE	10	000									
VE AIRSPEED	. 555	-1.6 -	-1.0	-0.6	-0.2	0.2	1.4		2.2	2.6	3.0	3.6	4.6	5.4	4.6	7.8	TIME HOURS
LESS	(63)				-0.2	0.2		1.0	7.0	2.0	3.0	3,0	7,0				0.0
100 150				1													0.0
200						1	3	3		1							0.3
250 300					1	2 2 3 2	19 21	10	2	2	1 9	3	3				1.3
350					3	6	14	6	3 2	3	7	8	3				0.5
400 450						3	1	2	1	1	2	1		1			0.1
500 550																	0.0
625																	
700 101AL				1	6	64	58	24	14	14	19	iT	6	1			4.1
				-					-		-	- 1	-				
~15510h	1	wE10	SHT	11600		LTITUCE	15	nen									
VE AIRSPEED									N2 , ,	2.4	3.0	3.4					TIME
VE AIRSPEED		#€10 -1.6 -			_0,2	0,2	1.4		N2 2.2	2,6	3.0	3.6	4.6	5,4	6,6	T.a	HOURS 0.0
VE AIRSPEED LESS 100					-0.2	0.2	1.4			2,6	3.0	3,6	4.6	5,4	6,6	T.S	HOURS 0.0
VE AIRSPEED LESS 100 150 200					-0.2 2	0.2	1.4 1 1 T	1.6	2,2	2		3.6		5,4	6,6	T.8	HOURS 0.0 0.1 0.5
VE AIRSPEED LESS 100 150 200 250					-0.2	0.2 1 5	1.4 1 1 7 21	1.6	3 10	2	4		1	5,4	6,6	T.8	HOURS 0.0 0.1 0.5
VE AIRSPEED LESS 100 150 200 250 300 350					-0.2 2	0.2 1 5 12 25	1.4 1 1 7 21 18	1.6	2,2	2 6 3 2	4 4 1	1		5,4	6,6	T.8	0.0 0.0 0.1 0.5 1.7 1.5
VF AIRSPEED LESS 100 150 200 250 300 400 450					-0.2 2	0.2 1 5 12 25	1.4 1 1 7 21 18	1.6	3 10	2 6 3	4		1	5,4	6.6	₹.8	HOURS 0.0 0.1 0.5 1.7 1.5 0.5
VE AIRSPEED LESS 100 150 200 250 300 350 400 450 500					-0.2 2	0.2 1 5 12 25 6	1.4 1 1 7 21 18	1.6	3 10	2 6 3 2	4 4 1	1	1	5,4	6,6	Τ.8	0.0 0.0 0.1 0.5 1.7 1.5
VF AIRSPEED LESS 100 150 200 250 300 350 400 450 500 550 625					-0.2 2	0.2 1 5 12 25 6	1.4 1 1 7 21 18	1.6	3 10	2 6 3 2	4 4 1	1	1	5,4	6.6	₹.8	HOURS 0.0 0.1 0.5 1.7 1.5 0.5
VF AIRSPEED LESS 100 150 200 250 300 350 400 450 500 625 700					-0.2 2 1	0,2 1,5 12 25,6 6,4 3	1.4 1 1 7 21 18 6 2	11 11 10 3	3 10 3	2 6 3 2 1	4 1 1	1	1 3	5,4	6,6	Т.8	HOURS 0.0 0.1 0.5 1.7 1.5 0.5 0.0
VF AIRSPEED LESS 100 150 200 250 300 350 400 450 500 550 625					-0.2 2	0.2 1 5 12 25 6	1.4 1 1 7 21 18	1.6	3 10	2 6 3 2	4 4 1	1	1	5,4	6,6	T.8	HOURS 0.0 0.1 0.5 1.7 1.5 0.5
VF AIRSPEED LESS 100 150 200 300 350 400 450 500 500 625 700 TOTAL			-1.0		-0.2 2 1	0,2 1,5 12 25,6 6,4 3	1.4 1 1 7 21 18 6 2	11 11 10 3	3 10 3	2 6 3 2 1	4 1 1	1	1 3	5,4	6.6	Т.8	HOURS 0.0 0.1 0.5 1.7 1.5 0.5 0.0
VE AIRSPEED LESS 100 150 200 250 300 350 400 450 500 550 625 7700 TOTAL	LE55	-1.6 -	-1.0 GHT	11000	=0,2 2 1	0.2 1 5 125 25 6 4 3	1.4 1 1 1 7 21 18 6 2 1	1.6 11 10 10 3	2,2 3 10 3	2 6 3 2 1	10	1 1 2	1 3				HOURS 0.0 0.1 0.5 1.7 1.5 0.0 0.0
VE AIRSPEED LESS 100 150 200 250 300 350 400 450 500 550 625 700 TOTAL VE AIRSPEE0 LESS	LE55	-1.6 -	-1.0	.0.6	-0.2 2 1	0.2 1 5 12 25 6 4 3	1.4 1 1 7 21 18 6 2	1.8 11 10 10 3	3 17 3	2 6 3 2 1	4 1 1	1	1 3	5.4	6.6	T.8	HOURS 0.0 0.1 0.5 1.7 1.5 0.0 0.0 0.0 0.0
VE AIRSPEED LESS 100 150 200 300 350 400 450 550 525 700 TOTAL PISSION. VE AIRSPEED LESS 100	LE55	-1.6 -	-1.0 GHT	11000	=0,2 2 1	0.2 1 5 12 25 6 4 3 3 5 6 CT1TUOR	1.4 1 1 1 7 21 18 6 2 1	1.6 11 10 10 3	2,2 3 10 3	2 6 3 2 1	10	1 1 2	1 3				HOURS 0.0 0.0 0.1 0.5 1.7 1.5 0.0 0.0 4.3
VE AIRSPEED LESS 100 159 200 250 300 450 500 550 625 700 TOTAL MISSION. VE AIRSPEED LESS 100 150 200	LE55	-1.6 -	-1.0 GHT	11000	=0,2 2 1	0.2 1 5 12 25 6 4 3 5 6 CT1TUOR	1.4 1 1 7 21 18 2 1 1 55 5 20 1.4	1.6 11 10 10 3 34	2.2 3 10 3	2 6 3 2 1	10	1 1 2	1 3				HOURS 0.0 0.1 0.5 1.7 1.5 0.0 0.0 0.0 1.7 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0
VE AIRSPEED LESS 100 159 200 250 300 350 400 450 500 550 625 700 TOTAL MISSION VE AIRSPEED LESS 100 150 200 200 250 300	LE55	-1.6 -	-1.0 GHT	11000	=0,2 2 1	0.2 1 5 12 25 6 4 3 5 6 CT1TUOR	1.4 1 1 7 2 1 18 8 2 2 1 1 55 5 5 1 20 1.4	1.8 11 10 10 3 34	2.2 3 10 3	2 6 3 2 1	10	1 1 2 3.6	1 3				HOURS 0.0 0.1 0.5 0.5 0.5 0.0 0.0 1.7 1.7 0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0
VE AIRSPEED LESS 100 159 200 250 300 350 400 450 500 500 700 TOTAL P1SSIO+ VE AIRSPEED LESS 100 250 350 350 350 350	LE55	-1.6 -	-1.0 GHT	11000	-0.2 2 1	0.2 1 5 12 25 6 6 4 3 5 6 6 4 3 6 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1.4 1 1 7 21 18 2 1 1 55	1.6 11 10 3 34 500	2,2 3 10 3	2 6 3 2 1	10	1 1 2	1 3				HOURS 0.0 0.1 0.5 1.7 1.5 0.0 0.0 4.3 TIMF HOURS 0.0 0.1 0.5 2.1 2.4
VF AIRSPEED LESS 100 159 200 250 300 450 500 550 625 700 TOTAL **15510*. VF AIRSPEED LESS 100 150 200 250 300 400 450 450	LE55	-1.6 -	-1.0 GHT	11000	-0.2 2 1	0.2 1 5 12 25 6 4 3 5 6 CT1TUOR	1.4 1 1 7 2 1 18 8 2 2 1 1 55 5 5 1 20 1.4	1.8 11 10 10 3 34	2.2 3 10 3	2 6 3 2 1	10	1 1 2 3.6	1 3				HOURS 0.0 0.1 0.5 0.5 0.5 0.0 0.0 1.7 1.7 0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0
VE AIRSPEED LESS 100 159 200 300 350 400 450 500 5700 TOTAL VE AIRSPEED LESS 100 250 350 350 400 450 500 500 500 500 600 600 600 600	LE55	-1.6 -	-1.0 GHT	11000	-0.2 2 1	0.2 1 5 12 25 6 6 4 3 5 6 6 4 3 6 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1.4 1 1 7 2 1 18 8 2 2 1 1 55 5 5 1 20 1.4	1.8 11 10 10 3 34	2.2 3 10 3	2 6 3 2 1	10	1 1 2 3.6	1 3				HOURS 0.0 0.1 0.5 1.7 1.5 0.0 0.0 4.3 TIMF HOURS 0.0 0.1 0.5 2.1 2.4
VE AIRSPEED LESS 100 159 200 250 300 350 400 450 525 700 TOTAL **15510** VE AIRSPEED LESS 100 250 350 400 450 450 550 625 625 625 626 627 627 628 628 628 628 628 628 628 628 628 628	LE55	-1.6 -	-1.0 GHT	11000	-0.2 2 1	0.2 1 5 12 25 6 6 4 3 5 6 6 4 3 6 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1.4 1 1 7 2 1 18 8 2 2 1 1 55 5 5 1 20 1.4	1.8 11 10 10 3 34	2.2 3 10 3	2 6 3 2 1	10	1 1 2 3.6	1 3				HOURS 0.0 0.1 0.5 1.7 1.5 0.0 0.0 4.3 TIMF HOURS 0.0 0.1 0.5 2.1 2.4
VE AIRSPEED LESS 100 159 200 250 300 450 500 550 625 7700 TOTAL MISSION VE AIRSPEED LESS 100 150 250 300 350 400 450 550	LE55	-1.6 -	-1.0 GHT	11000	-0.2 2 1	0.2 1 5 12 25 6 6 4 3 5 6 6 4 3 6 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1.4 1 1 7 2 1 18 8 2 2 1 1 55 5 5 1 20 1.4	1.8 11 10 10 3 34	2.2 3 10 3	2 6 3 2 1	10	1 1 2 3.6	1 3				HOURS 0.0 0.1 0.5 1.7 1.5 0.0 0.0 4.3 TIMF HOURS 0.0 0.1 0.5 2.1 2.4

. 1551DN	1	wE	1 GHT	11000	AL	TITUDE	300										
VF AIRSPEED	1 E55	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	NZ 2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIME HOURS
100 150 200						1	2										0.0
250 300 350 400					1	1 4 3	7	?		1	1 2	1					0.3
450 500 550																	
625 700 Total					1	8	13	4		1	3	1					0.6
15510N	1	₩ E	1GHT	11000	A	LTITUOE	40										
VF AIRSPEED LESS	LESS	-1.8	-1.0	_0.6	-0.2	0.2	1.4	1.8	NZ 2.2	2.5	3.0	3.8	4.6	5.4	6.6	7.8	TIME HOURS
100 150 200						2 3					1						0.0
250 300 350						3											0.0
400 450 500 550																	
625 700 TOTAL						5					1						0.2

Mission 3 - Nav & General

M15510N	3	wE]G⊢T	7000	AL	TITUDE	10	00									
VF AIRSPEED				•					2	2 4	3.0		4.4	8.4	4.4	7.8	TIME
LESS 100 150 200 250 350 400 450 500 550	; F\$\$	-1.8	-1.0	O.6	-0. 2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	6.6	5.4	6.6	/aB	0.0
700 Total																	0.0
M15510N	3	n	ELGHT	8000	0 4	LTITUO	E L	FSS									
VE AIRSPEED LESS	LESS	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	NZ 2.2	2.6	3.0	3.8	4.6	5.4	4.6	7.8	TIME HOURS
100 150 200 250 300 450 500 550					1	6 7	78 12 9 3	3 1 1	1								0.0 1.3 0.3 0.0 0.0
700 Total					1	17	102	5	1								1.6
~15510h	3	w	EIG⊢T	800	0 1	LTITUO	E 1	000									
VE AIRSPEED									N2 2,2								TIME
LESS	1 E55	-1.8	-1.0	. 0,6	-0,2	0.2	1.4	1.8	2,2	2,6	3.0	3.8	4.6	5.4	6.6	7.8	HOUR5
100 150 200 250 350 400 450 550					1	23 51 115 4	76 52 109 9	9 16 18 2	1 24 17	5 3	3						0.0 2.1 1.8 1.8 0.1
625 700 TOTAL					1	193	246	45	42		3						5.8
					•		0	٠,	•	•	-						
MISSION	3	W	EIG	800	0	L TITUO	E 2	2000									
VE AIRSPEED									N2		• •				554		TIME
LESS	1 6 5 5	-1.8	- 1 •0	-0.6	-0.2	0.2	1.4	1.6	2.2	2.6	3.0	3.6	4.6	5.4	6.6	7.8	HOURS 0.0
100 150 200 250 350 450 450 550 625					3	11 35 131 25 4	72 86 254 24 2	16 20 50 10 4	24 27 1	5 21 2	1 4						2.1 3.0 3.4 0.2 0.0
700 TOTAL					3	206	438	102	52	28	9						8.7

115510N	3	"E	1GHT	#00C	A	TITUEF	50	00									
VF AIRSPEED	1 E55	-1.6	-1.0	-C.6	-0.2	0.2	1.4	1.8	7.2	2.6	3.G	3.8	4.6	5.4	6.6	7.8	TIME HOURS
LE55 100 150 200 250 350 400 450 500 550 625					1	2 25 39 11 1	4 46 104 15 2	1 10 1	3	1							0.4 1.0 2.0 0.2 0.1
700 YOTAL					2	78	171	12	3	1							3.6
+15510N	3	wl	I GHT	6000		LTITUDE	10	000									
VF AIR5PEED LE55 100 150 200	i E55	-1.6	-1.0	-0.6	-0.2	0.2	1.4.	1.8	7.2	2.6	3.0	3.6	4.6	5.4	4.6	7.8	TIME HOURS 0.0 0.1
250 300 350 450 450 500 550 625 700					1	10	9	1									0.7 0.1 0.0
TOTAL					1	10	10	,									1.0
*15510N	3	*	EIGHT	8000		LTITUDE	15	000									
VF A1R5PEED LE55 100 150	3 1 F5S				_0,2	0.2	1.4 1.4	000	N2 2.2	2.6	3.0	3.8	4.6	5,4	6.6	7.6	TIME HOURS 0.0 0.0 0.1
VF A1R5PEED LE55 100 150 200 250 300 400 450 500 550 625							1.4		N2 2.2	2.6	3.0	3.6	4.6	5.4	6.6	7.6	HOURS 0.0
VF A1R5PEED LE55 100 150 200 250 300 350 400 450 500 550					-0.2	0.2	1.4		2.2	2.6	3.0	3.6	4.6	5.4	6.6	7.6	0.0 0.0 0.1
VF A1R5PEED LE55 100 150 200 300 350 400 450 550 625 700		~1.6			1	0.2 4 3	1.4		1	2.6	3.0	3.8	4.6	5.4	6.6	7.6	0.0 0.0 0.1 0.7 0.2
VF AIRSPEED LESS 100 150 200 250 300 450 450 625 700 TOTAL MISSION VF AIRSPEED	t F55	~1.6	-1.00	_0.6	_0.2 1	0.2 4 3 7	1.4	i.0	2.2 1	2.6	3.0	3.8	4.6	5.4	6.6	7.6	0.0 0.0 0.0 0.1 0.7 0.2
VF AIRSPEED LESS 100 150 200 250 300 450 400 450 500 500 700 TOTAL	(F55	~1.6	⊷1.00	_0.6	_0.2 1	0.2 4 3 7	1.4 1 7 5	1.8	1 N2 2.2								HOURS 0.0 0.0 0.1 0.7 0.2

~1551CN	3	"E	1GHT	P000	AL	TITUDE	300	000									
VF AIRSPEED									N2	• .					.5.5	- 1	TIME
LESS	LE\$5	-1.8	-1.0	-9.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	HOUR5
100																	0.0
150 200																	0.1
250 300						1											0.4
350 400																	
450																	
500 550																	
625 700																	
TOTAL						2											0.7
#1551CN	3	" E	IG∺T	9000	AL	TITUDE	400	000									
VE AIRSPEED									NZ .		2.0						TIME
LESS	1 E S S	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	HOURS
100 150																	C.0
200																	0.0
2 0 3,10																	0.0
350 400																	
450 500																	
550																	
625 700																	
TOTAL																	0.1
15510N	3	a E	IG⊦T	9000	A	TITUDE	LI	-55									
* ISSION VF AIRSPEEO									NZ 2	2 4	3.0		4.4	• •		7.0	TIME
VF AIRSPEED		#E			-0.2	T1TUDE	L1 1.4		NZ 2.2	2,6	3.0	3.8	4.6	5.4	6. 6	7.8	HOURS
VF AIRSPEED LESS 100						0.2	1.4	1.8	NZ 2,2	2,6	3.0	3.8	4.6	5.4	6,6	7.8	HOURS 0.0
VF AIRSPEED LESS 100 150 200						0.2 3 11	1.4 30 13	1.8	2,2	2,6	3.0	3.8	4,6	5.4	6. 6	7.8	0.0 0.7 0.4
VF AIRSPEE0 LESS 100 150 200 250 300						0.2	1.4	1.8	NZ 2.2	2,6	3,0	3.8	4.6	5.4	6.6	7.8	HOURS 0.0
VF AIRSPEED LESS 100 150 200 250 300 350						0.2 3 11 16	1.4 30 13 15	1.8	2,2	2,6	3,0	3.8	4,6	5.4	4,6	7.8	0.0 0.7 0.4 0.2
VF AIRSPEED LESS 100 150 200 250 300 400 450						0.2 3 11 16	1.4 30 13 15	1.8	2,2	2,6	3.0	3.8	4,6	5.4	4.6	7,8	0.0 0.7 0.4 0.2
VF AIRSPEED LESS 100 150 200 250 300 350 400 450 500 550						0.2 3 11 16	1.4 30 13 15	1.8	2,2	2,6	3.0	3.8	4,6	5.4	4.6	7.8	0.0 0.7 0.4 0.2
VF AIRSPEED LESS 100 150 200 250 300 350 400 450 500 550 625						0.2 3 11 16 1	1.4 30 13 15 2	1.8	1	2,6	3.0	3.8	4,6	5.4	4.6	7.8	0.0 0.7 0.4 0.2 0.0
VF AIRSPEED LESS 100 150 200 250 300 350 400 450 500 550						0.2 3 11 16	1.4 30 13 15	1.8	2,2	2,6	3.0	3.8	4,6	5.4	6.6	7.4	0.0 0.7 0.4 0.2
VF AIRSPEED LESS 100 150 200 250 300 350 400 450 500 550 625		-1.8			- 0,2	0.2 3 11 16 1	1.4 30 13 15 2	1.8	1	2,6	3.0	3.8	4,6	5.4	4.6	7.8	0.0 0.7 0.4 0.2 0.0
VE AIRSPEED LESS 100 150 200 250 300 350 400 450 500 550 625 700 TCTAL	1 ESS	=1.5	-1.0 E1GHT	-0. 6	=0,2	0.2 31116 11 31	1.4 30 13 15 2	1.8	2,2 1								HOURS 0.0 0.7 0.4 0.2 0.0
VF AIRSPEED LESS 100 150 200 250 300 350 400 450 500 550 625 700 TCTAL *15510A VF AIRSPEED LESS	1 ESS	-1.8	-1.0 E1GHT	-0. 6	- 0,2	0.2 3 11 16 1	1.4 30 13 15 2	1.8	1	2.6	3.0	3.8	4.6	5.4	6.6	7.8	0.0 0.7 0.4 0.2 0.0
VF AIRSPEED LESS 100 150 200 250 306 350 400 450 500 550 425 700 TCTAL * 15510A VF AIRSPEED LESS 100 150	1 ESS	=1.5	-1.0 E1GHT	9000	=0,2	0.2 31116611 31 31	1.4 30 13 15 2 60	1.8	2,2 1								0.0 0.7 0.4 0.2 0.0 0.7 1.4
VF AIRSPEED LESS 100 150 200 250 300 450 450 500 550 425 700 TCTAL *15510A VF AIRSPEED LESS 100 150 200	1 ESS	=1.5	-1.0 E1GHT	-0. 6	=0,2 A =0.2	0.2 3111611 1611 31 4 TITUDE	1.4 30 13 15 2 60	1.8 2 3 4	1 1 N2 2.2	2.6	3.0						0.0 0.7 0.4 0.2 0.0 1.4 TIMF HOURS
VF AIRSPEED LESS 100 150 200 250 300 450 450 500 550 625 700 TCTAL AIRSPEED LESS 100 150 200 200 230	1 ESS	=1.5	-1.0 E1GHT	9000	=0,2	0.2 3 11 16 1 31 4 TITUDE	1.4 30 13 15 2 60	1.8	1 1 N2 2.2	2.6							## HOURS 0.0 0.7 0.4 0.2 0.0 1.4 TIME HOURS 1.3
VF AIRSPEED LESS 100 150 200 250 300 450 450 550 625 700 TCTAL *15510A VF AIRSPEED LESS 100 150 200 200 200 200 200 350	1 ESS	=1.5	-1.0 E1GHT	9000	=0,2 A =0.2	0.2 3 11 16 1 31 4 TITUDE	1.4 30 13 15 2 60	1.8 2 3 4	1 1 N2 2.2	2.6	3.0						0.0 0.7 0.4 0.2 0.0 1.4
VF AIRSPEED LESS 100 150 200 250 306 350 400 450 500 550 625 700 TCTAL *15510A VF AIRSPEED LESS 100 200 230 330 350 400 450 550	1 ESS	=1.5	-1.0 E1GHT	9000	=0,2 A =0.2	0.2 3 11 16 1 31 4 TITUDE	1.4 30 13 15 2 60	1.8 2 3 4	1 1 N2 2.2	2.6	3.0						0.0 0.7 0.4 0.2 0.0 1.4
VF AIRSPEED LESS 100 150 200 250 300 450 500 550 625 700 TCTAL *15510 VF AIRSPEED LESS 100 150 200 200 250 300 350 450 550 550	1 ESS	=1.5	-1.0 E1GHT	9000	=0,2 A =0.2	0.2 3 11 16 1 31 4 TITUDE	1.4 30 13 15 2 60	1.8 2 3 4	1 1 N2 2.2	2.6	3.0						0.0 0.7 0.4 0.2 0.0 1.4
VF AIRSPEED LESS 100 150 200 250 306 350 400 450 500 550 625 700 TCTAL *15510A VF AIRSPEED LESS 100 200 230 330 350 400 450 550	1 ESS	=1.5	-1.0 E1GHT	9000	=0,2 A =0.2	0.2 3 11 16 1 31 4 TITUDE	1.4 30 13 15 2 60	1.8 2 3 4	1 1 N2 2.2	2.6	3.0						0.0 0.7 0.4 0.2 0.0 1.4

15510A	3	"E	1G-T	9000	A	LTITUD	E 2	000									
VE ATRSPEED	1 FSS	-1.6	-1 -0	_0.6	-0.2	0.2	1,4	1.8	NZ 2.2	2,6	3.0	3.8	4.6	5.4	4.6	7.8	TIME HOURS
LESS 100	(,,,					•••	• 1 •	1.0			3.0	,	4.0	2.4	•••	7.8	0.0
150 200				1	2	18 62 70	75 181	6	2	ı							2.4
250 300					3	70	152	17	8	2	5						2.6
350 400																	
450 500																	
550 625																	
TOTAL				1	5	159	449	29	11	3	2						10.0
MISSION	3	*E	1GHT	9000		TITUD	E 5	000									
VF AIRSPEED	1 E\$5	-1.8	-1.0	.0.6	-0.2	0.2	1,4	1.8	N2 2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIME HOURS
LESS 100							-		-			- 17		•		-	7.00.4.3
150 200						30	104	4	1								3.5
250 300						72 21	160	27	2								3.2
350 400						2	-4	•	2	1							0.4
450																	0.0
500 550																	
625 700																	
TOTAL						133	315	28	6	1							7.6
15510N	3	_{pr} E] G⊬T	9000		LTITUD	E 10	000									
* ISSION VE AIRSPEED									NZ .								TIME
VE #IRSPEED		-1.8	-1.0		_0,2	0.2	E 10		N2 2.2	2.6	3,0	3.8	4.6	5.4	6,6	7.8	HOURS
VE AIRSPEED LESS 100 150						0.2	1.4	1.8	N2 Z.2	2.6	3,0	3.8	4.6	5.4	6,6	7.8	HOURS 0.0
VE AIRSPEED LESS 100 150 200 257						0.2 7 15	1.4 6 2 37	1.A	2.2	1	2	3.8	4.6	5,4	6,6	7.8	0.0 0.3 0.4
VE AIRSPEED LESS 100 150 200 257 300 350					-0.2	0.2	1.4	1.8	2.2			3.8	4.6	5,4	6,6	7.8	0.0 0.3 0.4 2.7
VE AIRSPEED LESS 100 150 200 257 300 450 450					-0.2	0.2 7 15	1.4 6 2 37 22	1.A	2.2	1 2	2	3.8	4.6		6,6	7.8	0.0 0.3 0.4 2.7 1.1 0.1
VE AIRSPEED LESS 100 150 200 257 300 350 400 450					-0.2	0.2 7 15	1.4 6 2 37 22	1.A	2.2	1 2	2		4.6	5.4	6,6	7.8	0.0 0.3 0.4 2.7 1.1
VE AIRSPEED LESS 100 150 200 257 300 350 400 450 500 625 700					-0.2	0.2 7 15	1.4 6 2 37 22	1.A	2.2	1 2	2		4.6		6,6	7.8	0.0 0.3 0.4 2.7 1.1 0.1
VE AIRSPEED LESS 100 150 200 257 300 350 400 450 500 550 625					-0.2	0.2 7 15	1.4 6 2 37 22	1.A	2.2	1 2	2		4.6		6,6	7.8	0.0 0.3 0.4 2.7 1.1 0.1
VE AIRSPEED LESS 100 150 200 257 300 450 450 550 625 700 TOTAL	1 FSS	-1.8	-1.0	-0.6	-0.2 2	7 15 19 3	1.4 6 2 37 22 2	1.A	4,4	1 2 1	2 4	1	4.6	1	6,6	7.8	0.0 0.3 0.4 2.7 1.1 0.1 0.0
VE AIRSPEED LESS 100 150 200 257 300 350 400 450 500 550 625 700 TOTAL		-1.8			-0.2 2	7 15 19 3	1.4 6 2 37 22 2	1 • A	2.2	1 2 1	2 4	1	4.6	1	6,6	7.8	0.0 0.3 0.4 2.7 1.1 0.1 0.0
VE AIRSPEED LESS 100 150 200 290 390 390 400 450 500 625 700 107AL VISSION	1 FSS	-1.8	-1.0	-0.6	-0.2 2	7 15 19 3	1.4 6 2 37 22 2	1 • A	4,4	1 2 1	2 4	1	4.6	1	6.6	7.8	0.0 0.3 0.4 2.7 1.1 0.1 0.0
VE AIRSPEED LESS 100 150 200 257 300 350 400 450 500 625 700 10TAL MISSION VE AIRSPEED LESS 100	1 FSS	-1.8	-1.0	9000	-0.2 2	0.2 7 15 19 3	1.4 6 2 37 72 2 2 69	1.6 7 4.4	2.2 4 4	1 2 1	6	1		1			HOURS 0.0 0.3 0.4 2.7 1.1 0.0 0.0 4.6
VE AIRSPEED LESS 100 150 200 257 300 350 400 450 550 625 700 TOTAL WISSION VE AIRSPEED LESS 100 150 200	1 FSS	-1.8	-1.0	9000	-0.2 2	0.2 7 15 19 3	1.6 6.2 3.7 7.2 2 69 69	1.8	2.2 4 4 7.2 2	1 2 1	6	1 3.8		1			O.0 0.3 0.4 2.7 1.1 0.1 0.0 0.0 4.6
VE AIRSPEED LESS 100 190 200 257 300 350 400 450 550 625 700 TOTAL VISSION VE AIRSPEED LESS 100 150 200 250 360 360	1 FSS	-1.8	-1.0	9000	-0.2 2 4 -0.2	0.2 7 15 19 3 44 LTITUDI 0.2 2 1 19	1.4 6.2 37 72 2 69 69 E 15	1.8 7 4 6	2.2 4.4 8 8 7.2 2.2	2.6	3.0	1 1 3.8		1			O.0 0.3 0.4 2.7 1.1 0.0 0.0 4.6
VE AIRSPEED LESS 100 150 200 257 300 450 450 550 625 700 TOTAL *ISSIO*. VF AIRSPEED LESS 100 250 250 360 360 360 360 360	1 FSS	-1.8	-1.0	9000	-0.2 2	0.2 7 15 19 3	1.6 6.2 3.7 7.2 2 69 69	1.8	2.2 4 4 7.2 2	1 2 1	2 4 6 6 7 11 10 0 3	1 1 3.8	4.6	1 1 5.4			O.0 0.4 2.7 1.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
VE AIRSPEED LESS 100 150 200 257 300 350 450 550 525 700 TOTAL PISSION VE AIRSPEED LESS 100 200 250 350 400 450 550	1 FSS	-1.8	-1.0	9000	-0.2 2 4 -0.2	0.2 7 15 19 3 44 LTITUDO	1.4 6 2 37 22 2 69 1.4 6 5 22 14 6 6	1.8	2.2 4.4 8 8 7.2 2.2	2.6	2 4 6	1 1 3.8	4.6	1 1 5.4			O.0 0.3 0.4 2.7 1.1 0.1 0.0 0.0 4.6 TIMF HOURS 0.2 0.2
VE AIRSPEED LESS 100 200 257 300 350 400 450 500 TOTAL VISSION VF AIRSPEED LESS 100 150 200 230 350 400 450 550 550	1 FSS	-1.8	-1.0	9000	-0.2 2 4 -0.2	0.2 7 15 19 3 44 LTITUDO	1.4 6 2 37 22 2 69 1.4 6 5 22 14 6 6	1.8	2.2 4.4 8 8 7.2 2.2	2.6	2 4 6 6 7 11 10 0 3	1 1 3.8	4.6	1 1 5.4			TIMF HOURS 0.0 0.3 2.7 1.1 0.1 0.0 0.0 4.6
VE AIRSPEED LESS 100 150 200 257 300 350 450 550 525 700 TOTAL PISSION VE AIRSPEED LESS 100 200 250 350 400 450 550	1 FSS	-1.8	-1.0	9000	-0.2 2 4 -0.2	0.2 7 15 19 3 44 LTITUDO	1.4 6 2 37 22 2 69 1.4 6 5 22 14 6 6	1.8	2.2 4.4 8 8 7.2 2.2	2.6	2 4 6 6 7 11 10 0 3	1 1 3.8	4.6	1 1 5.4			TIMF HOURS 0.0 0.3 2.7 1.1 0.1 0.0 0.0 4.6

F155104	3	m F	1G-7	9000	AL	TITUDE	200	000									
VF AIRSPEED	FSS	-1.8	-1.0	-C.6	-C 2	0.2	1.4	1.8	NZ 7.2	2.6				• •			T124
LFSS 100 150	1133		-1.0			2	1	1	/.2	2.6	3.0	3.8	4.6	5.4	A.6	7.8	0.0 0.2
200 250				1	3 9 4	26 130	58 285	24 96	47	5 34	16	1					3.5
300 350 400					4	70	224 5	64	40 3	25 5	16	4					0.4
450 500							•										0.0
550 625 700																	
TOTAL				1	16	230	574	187	96	69	38	5					22.4
* 1551CN	3	яE	16-7	9000	A	LTITUDE	30	000									
VF AIRSPEED	ı E 55	-1.8	-1.	_0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIME HOURS
LESS 100 150						2	,										0.0
200					1	11	31	12	7	3	1						2.5
250 300				1	2	39 19	111	17	24	7	1						1.8
350 400						1	1										0.1
450 500																	
550 625																	
700 TOTAL				1	5	72	201	69	40	11	3						11.0
				•	,		2.1		•••	••	,						
155104	3		E I G+T	9000		TITUDE	40	200									
VF A185PEED	1 F55	-1.a	-1.0	_0.6	- 0.2	0.2	1.4	1.8	NZ 2.2	2.6	3.0	3.8	4.6	5.4	6,6	7.8	TIME
LE55 100					•	•-		• •	• • •	- ••	•••	•••		•	0,0		HOOKS
150																	0.1
200 250							3										1.4
300 350																	
400 450																	
500																	
550 625																	
700 Total							4										2.5
*15510N	3	*1	E 1 GHT	10000		1 7 3 7 10 6	: L	F54									
ALESPEED	. ESS	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	NZ 2.2	2.6	3.0	3.8	4,6	5.4	6.6	7.8	HOURS
LE55 100																	
150 260						1	10	1	,								0.4
250						11	14	1	2								0.4
300 350						4	2	1									0.1
400 450																	
500 550																	
625																	
TOTAL						22	79	3	3								1.0

155106	,	"Ej	IG⊬T	1000	. A	TITUDE	Ε 1	^0 00									
VF AIRSPELD									1.2								TIME
LE55	ı F\$5	-1.8	-1.0	-0.6	-0.2	C.2	1.4	1.8	7.2	2.6	F.	3.8	4.6	5.4	6.6	7.8	HOURS
100 150							8										0.6
200						15 9 5	27	3	4								1.1
250 300						5	20 3	10	1								0.5
350						2	2										1.0
400 450																	
500 550																	
625																	
700 Total						3.0											
, CI#E						30	۴C	13	5								2.5
*15310h	3	"E 1	G⊨t	10000		LTITUDE	. 2	n c e									
VE 4195FELD									A: 7								
LESS	Į E 5 5	-1.8	-1.0	-0.6	-0.2	C.2	1.4	1.8	NZ 2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIME HOURS
100																	
100 150 200						2	30	1									0.7
250					2	38	96 63	1 8	1	2	2						2.3
300					1	3	11	ı	i	•	•						0.9
350 400						1											0.0
450 500																	
500 550																	
625																	
705 Total					3	75	200	11	3	2	4						
					•		,,,,	• •	,	'	•						4.1
w1#\$104																	
"15510N	3	*ŧ!	ıG∺†	10000	A	LTITUDE	. ,	იიი									
"15510N VF 41R5PELD									NZ ,	2.4	3.0	3.0					TIME
VF AIRSPEED		#£ [-7.2	0.2	1.4		NZ 7.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIME HOURS
VF AIRSPEED LESS 100						0.2	1.4		NZ 7.2	2,6	3.0	3.8	4.6	5.4	6.6	7.8	HOUR S
VF 41RSPEED LESS 100 150 200					-7.2 1	0.2 1	1.4		nZ 7.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	HOURS
VF 41RSPEED LESS 100 150 200 250					-0.2 1	0.2 1 8 18	1,4 2 41 27	1.a	7. 2		1 3		4,6	5.4	6.6	7.8	0.3 1.8 1.6
VF 41PSPEED LESS 100 150 200 250 350 350					-7.2 1	0.2 1	1.4	1.6	NZ 7.2		1 3 1	3.6	4.6	5.4	6.6	7.8	0.3 1.8 1.0
VF 41PSPEED LESS 100 150 200 250 300 350 400					-0.2 1	0.2 1 8 18	1,4 2 41 27	1.a	7. 2		1 3		4.6	5.4	6.6	7,8	0.3 1.8 1.6 0.6 0.0
VF 41PSPEED LESS 100 150 200 250 300 350 400 450					-7.2 1	0.2 1 8 18	1,4 2 41 27	1.a	7. 2		1 3 1		4.6	5.4	6.6	7,8	0.3 1.8 1.6 0.6
VF 41PSPEED LESS 100 150 200 250 350 400 450 500					-7.2 1	0.2 1 8 18	1,4 2 41 27	1.a	7. 2		1 3 1		4,6	5.4	6.6	7,8	0.3 1.8 1.6 0.6 0.0
VF 41PSPEED LESS 100 150 200 250 300 350 400 450 500 625 700					1 1 1	0.2 1 8 18 6	1,4 2 41 27 8	1.a	1	2	1 3 1	2	4,6	5.4	6.6	7,8	0.3 1.8 1.6 0.6 0.0
VF #1PSPEED LESS 100 150 200 300 350 400 450 500 550 625					-7.2 1	0.2 1 8 18	1,4 2 41 27	1.a	7. 2		1 3 1		4,6	5.4	6.6	7,8	0.3 1.8 1.6 0.6 0.0
VF 41PSPEED LESS 100 150 200 250 300 350 400 450 500 625 700					1 1 1	0.2 1 8 18 6	1,4 2 41 27 8	1.A	1	2	1 3 1 1	2	4.6	5.4	6.6	7.8	0.3 1.8 1.0 0.6 0.0 0.0
VF 41PSPEED LESS 100 150 200 250 300 350 400 450 500 625 700		-1,8			-7.2 1 1 1	0.2 1 8 18 6	1.4 2 41 27 8	1.A	1	2	1 3 1 1	2	4.6	5.4	6.6	7,8	0.3 1.8 1.0 0.6 0.0 0.0
VF 41PSPEED LESS 100 150 200 250 360 360 400 450 500 500 500 700	ı F5\$	-1,8	-1.0	10000	-7.2	0.2 1 8 18 6	1.4 2 41 27 8	1.8 3 3	1	2	1 3 1 1	2	4.6	5.4	6.6	7,8	O.3 1.8 1.6 0.6 0.0 0.0
VF AIRSPEED LESS 100 150 200 250 300 400 450 500 500 550 625 707AL VE AIRSPEED	ı F5\$	-1.8 wEI	-1.0	10000	-7.2 1 1 1	0.2 1 8 18 6	1.4 2 41 27 8	1.8 3 3	1	2	1 3 1 1	2	4.6	5.4	6.6	7.8	0.3 1.8 1.0 0.6 0.0 0.0
VF AIRSPEED LESS 100 150 200 300 350 400 450 550 625 700 70TAL MISSION VF AIRSPEED LESS 100	1 F55	-1.8 wEI	-1.0 G-T	10000	-7.2	0.2 1 8 18 6	1.4 2 41 27 8	1.A	1	2	1 3 1 1	2					O.3 1.9 1.0 0.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0
VF AIRSPEED LESS 100 150 200 250 350 400 450 500 550 625 700 707AL VE AIRSPEED LESS 100 150	1 F55	-1.8 wEI	-1.0 G-T	10000	-7.2	0.2 1 8 18 6	1.4 2 41 27 8 78	1.8	1	2	1 3 1 1	2					O.3 1.9 1.0 0.0 0.0 0.0 0.0 4.3
VF AIRSPEED LESS 100 150 200 250 300 450 450 500 550 625 700 707AL VF AIRSPEED LESS 100 150 250	1 F55	-1.8 wEI	-1.0 G-T	10000	-7.2 1 1 1 1	0.2 1 8 18 6	1.4 2 41 27 8	1.8 3.7	1 1	2 2.6	6	2					O.3 1.8 1.0 0.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0
VF AIRSPEED LESS 100 150 250 350 400 450 550 625 700 70TAL VF AIRSPEED LESS 100 150 250 250 350	1 F55	-1.8 wEI	-1.0 G-T	10000	-7.2 1 1 1 1	0.2 18 18 6	1.4 2 41 27 8	1.8 6	1	2	1 3 1 1 1 6 6 3 • 0	2					O3 19 10 00 00 00 43 TIME HOURS
VF AIRSPEED LESS 100 150 200 350 360 350 400 450 550 625 700 7074L **ISSIO*, VF AIRSPEED LESS 100 150 250 250 250 350 350 350 350 350 350	1 F55	-1.8 wEI	-1.0 G-T	10000	-7.2	0.2 1 8 18 6	1.4 2 41 27 8	1.8 6 1.8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 NZ 2.2	2 2 . 6	1 3 1 1 1 6 6 3.0	2					O.3 1.9 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
VF AIRSPEED LESS 100 150 200 250 300 400 450 625 700 707AL VF AIRSPEED LESS 100 150 200 250 250 350 450 450	1 F55	-1.8 wEI	-1.0 G-T	10000	-7.2 1 1 1 1	0.2 18 18 6	1.4 2 41 27 8	1.8 6	1 1 NZ 2.2	2 2 . 6	1 3 1 1 1 6 6 3 • 0	2					O3 19 10 00 00 00 43 TIME HOURS
VF AIRSPEED LESS 100 150 200 300 300 400 450 500 500 707 TCTAL *ISSION VF AIRSPEED LESS 100 150 250 260 350 360 460 460	1 F55	-1.8 wEI	-1.0 G-T	10000	-7.2 1 1 1 1	0.2 18 18 6	1.4 2 41 27 8	1.8 6	1 1 NZ 2.2	2 2 . 6	1 3 1 1 1 6 6 3 • 0	2					O.3 1.9 1.0 0.0 0.0 0.0 0.0 4.3 YIMF HOURS 0.0 0.1 0.5 2.2 0.9 0.0
VF AIRSPEED LESS 100 150 200 250 350 400 450 500 550 625 700 707AL VF AIRSPEED LESS 100 250 350 450 450 450 450 450 450 450 450 450 4	1 F55	-1.8 wEI	-1.0 G-T	10000	-7.2 1 1 1 1	0.2 18 18 6	1.4 2 41 27 8	1.8 6	1 1 NZ 2.2	2 2 . 6	1 3 1 1 1 6 6 3 • 0	2					O.3 1.9 1.0 0.0 0.0 0.0 0.0 4.3 YIMF HOURS 0.0 0.1 0.5 2.2 0.9 0.0
VF AIRSPEED LESS 100 150 200 300 300 400 450 500 500 707 TCTAL *ISSION VF AIRSPEED LESS 100 150 250 260 350 360 460 460	1 F55	-1.8 wEI	-1.0 G-T	10000	-7.2 1 1 1 1	0.2 18 18 6	1.4 2 41 27 8	1.8 6	1 1 NZ 2.2	2 2 . 6	1 3 1 1 1 6 6 3 • 0	2					O.3 1.9 1.0 0.0 0.0 0.0 0.0 4.3 YIMF HOURS 0.0 0.1 0.5 2.2 0.9 0.0

·15:10:	1	"E	1G-T	10000	Aı	TITUSE	151	non									
F AIRSPEED									NZ								TIME
LESS	t E55	-1.8	-1.0	-C.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	4.6	7.8	HOURS
100 150						13	7	1									0.0
200						3	1.1	1	1		-						0.6
250 300					1	7	37	4	1 2	1	1						2.3
350 400							1		1								0.1
450																	
500 550																	
625 700																	
TOTAL					2	24	62	10	5	1	1						4.7
*13¢101,	3	"E	1G ⊢ T	10000	A	LTITUDE	20	100									
VF AIRSPEED					-0.2	0.2	1,4		NZ 2.2	2.6	3.0	3.8	4.6	5.4		7.8	TIME HOURS
LESS	1135	-1.B	-1.0	6	2	0.2	1,4	1.8	7.4		3.0	3.0	7.0	J	4.6	1.0	
100 150						2	2	1	1								0.0
200					1	28	R O	37	21	6 37	1 10						13.3
250 300				2	5	135 105 7	363 267	131	85 70	20	10	1					8.2
350 400					1	7	9	12	2	2	1						0.9
450																	
500 550																	
625																	
TOTAL				2	13	277	7/1	274	179	65	5.5	1					27.0
. 15510.	_					1 - 1 - 5											
* 1551C+.	3	• 5	E I GHT	10000	; A	t 1 TUDE	30	n c o									
ve +18510+									NZ 7.2	2.6	3.0	3.8	4.6	5,4	4.6	7.8	TIMI'
CESS		.1.8	=1.0	10000 -0.6		6.2	30		NZ 7.2	2,6	3.0	3.8	4.6	5.4	4.6	7.8	HOURS
VE :185PEED LESS 100					-0.2	6,2	1.4	1.3	7.2		3.0	3.8	4.6	5.4	4.6	7.8	0.0 0.1
VE 1185PEED LESS 100 150 207 250					_0.2 1	6.2	1.4 2 48 144	1.3	7.2	1	3.0	3.8	4.6	5.4	4.6	7.8	0.0 0.1 4.4
VE :185PEED LESS 150 250 250 300					-0.2	6,2	1.4 2 48 144 57	1.3 12 39 17	7.2		3.0	3.8	4.6	5.4	4.6	7.8	0.0 0.1 4.4 11.6
VE 2185PEED LESS 150 250 250 300 350 400					_0.2 1	6.2	1.4 2 48 144	1.3 12 39	2.2 4 15	1		3,8	4.6	5.4	4.6	7.8	0.0 0.1 4.4
VE 2185PEED LESS 150 150 260 250 350 460					_0.2 1	6.2	1.4 2 48 144 57	1.3 12 39 17	2.2 4 15	1		3,8	4.6	5.4	4.6	7.8	0.0 0.1 4.4 11.6
VE 2185PEED LESS 100 150 260 250 300 350 400 450 560 550					_0.2 1	6.2	1.4 2 48 144 57	1.3 12 39 17	2.2 4 15	1		3,8	4.6	5.4	4.6	7.8	0.0 0.1 4.4 11.6
VE 2185PEED LESS 100 150 200 350 400 450 500 550 625				<u>_</u> 0.6	1 1 1	6 29 12	1.4 2 48 144 57 2	1.3 17 39 17 1	7.2 4 15 7	1 4 2	ı	3,8	4.6	5.4	4.6	7.8	0.0 0.1 4.4 11.6 2.8 0.1
VE :18PPEED LESS 100 150 200 250 300 400 450 500 550 625					_0.2 1	6.2	1.4 2 48 144 57	1.3 12 39 17	2.2 4 15	1		3.8	4.6	5.4	A.6	7.8	0.0 0.1 4.4 11.6
VE :1RSPEED LESS 100 150 200 250 300 350 400 450 500 500 550 700 707AL	i F55	_1,6	-1.0	1 To*e	1 1 1	6,2 4 76 29 12	1.4 2 48 144 57 2	1.3 17 39 17 1	7.2 4 15 7	1 4 2	ı	3,8	4.6	5.4	4.6	7.8	0.0 0.1 4.4 11.6 2.8 0.1
VE 2185PEED LESS 100 150 200 350 400 450 500 550 625		_1,6		<u>_</u> 0.6	1 1 1	6 29 12	1.4 2 48 144 57 2	1.3 17 39 17 1	7.2 4 15 7	1 4 2	ı	3,8	4.6	5.4	4.6	7.8	0.0 0.1 4.4 11.6 2.8 0.1
VE :185PEED LESS 100 150 200 350 350 450 450 500 550 625 700 707AL	1 F55	_1,6	-1.0	1 To*e	1 1 1	6,2 4 76 29 12	1.4 2 48 144 57 2	1.3 12 39 17 1	7.2 4 15 7	1 4 2	ı	3.8	4.6	5.4	4.6	7.8	0.0 0.1 4.4 11.6 2.8 0.1
VE :1RSPEED LESS 100 150 200 250 300 350 400 450 500 550 625 707AL	1 F55	-1.0	-1.0	10000	_0.2	6.2 26 29 12	1.4 2 48 144 57 2	12 39 17 1	2.2 45 7	1 4 2	1						0.0 0.1 4.4 11.6 2.8 0.1
VE :185PEED LESS 100 150 200 250 300 450 450 560 550 625 700 707AL LESS 100 LESS 100	1 F55	-1.0	-1.0	10000	_0.2	C.2 4 76 29 12 71 71 0.2	1.4 2 48 144 57 2 253	12 39 17 1	26 NZ 2.2	1 4 2	1						HOURS 0.0 0.1 4.4 11.6 2.8 0.1 19.0
VE :185PEED LESS 100 150 200 250 300 350 400 450 500 500 707AL VE AIRSPEED LESS 100 250 250 250 250 250 250 250 250 250 2	1 F55	-1.0	-1.0	10000	_0.2	6.2 26 29 12	1.4 2 48 144 57 2 253	12 39 17 1	2.2 45 7	1 4 2	1						0.0 0.1 4.4 11.6 2.8 0.1 19.0
VE :18PPEED LESS 100 150 200 300 400 450 550 625 700 70TAL VE AIRSPEED LESS 100 200 200 300 350	1 F55	-1.0	-1.0	10000	_0.2	C.2 4 76 29 12 71 71 0.2	1.4 2 48 144 57 2 253	12 39 17 1	26 NZ 2.2	1 4 2	1						НОURS 0.0 0.1 4.4 11.6 2.8 0.1 19.0 ТТМЕ НОURS
VE :18PPEED LESS 100 150 200 250 300 350 400 450 500 550 700 707AL LESS 100 150 250 250 250 350 450 450 450 450 450 450 450 450 450 4	1 F55	-1.0	-1.0	10000	_0.2	C.2 4 76 29 12 71 71 0.2	1.4 2 48 144 57 2 253	12 39 17 1	26 NZ 2.2	1 4 2	1						0.0 0.1 4.4 11.6 2.8 0.1 19.0
VE :18PPEED LESS 100 150 200 250 300 450 500 550 625 700 707AL LESS 100 250 260 310 310 450 560 560 550 625 700 707AL	1 F55	-1.0	-1.0	10000	_0.2	C.2 4 76 29 12 71 71 0.2	1.4 2 48 144 57 2 253	12 39 17 1	26 NZ 2.2	1 4 2	1						0.0 0.1 4.4 11.6 2.8 0.1 19.0
VE :18PPEED LESS 100 150 200 250 300 450 500 550 625 700 707AL LESS 100 250 250 300 450 625 700 707AL	1 F55	-1.0	-1.0	10000	_0.2	C.2 4 76 29 12 71 71 0.2	1.4 2 48 144 57 2 253	12 39 17 1	26 NZ 2.2	1 4 2	1						0.0 0.1 4.4 11.6 2.8 0.1 19.0
VE :18PPEED LESS 100 150 260 350 400 450 550 625 700 70TAL VE AIRSPEED LESS 100 150 250 250 250 300 400 450 550 550 700 70TAL	1 F55	-1.0	-1.0	10000	_0.2	C.2 4 76 29 12 71 71 0.2	1.4 2 48 144 57 2 253	12 39 17 1	26 NZ 2.2	1 4 2	1						0.0 0.1 4.4 11.6 2.8 0.1 19.0

15510%	1	• 6	i jeri	11000	A	TITLDE	L	:54									
AL VISSEES	: F55	-1.8	-1.0	-0.6	-0.2	0.2	1.4	N 1.8	2.2	2.6	3.0	3.8	4.6	5.4	4.6	7.6	TIME
LESS 100 150 200 (250 / 300 350 400 450					2	9 12 14 5	13 12 19 8	?									0.0 0.2 0.2 0.0
550 625 700 TCTAL					2	40	52	6									0.4
-15510N	3	•	EIGHT	11000	A	_T1TUSF	1	00n									
VF #1RSPEED LESS	1 ESS	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.A	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIME HOURS
100 150						13	14		1								0.1
200 250						11	14	2									0.3
300 350 400 450 500 550 645 700					1	12	20	4									0.2 0.1 0.0
Tate					1	42	60	6	1								0.7
1221a.	3	•1	EtG⊬t	11000	A:	TITUBE	2	200									
AE TIBBEEFO			E (G+T -1.0			T1T∪0E	1.4		2,2	2.4	3.0	3.A	4.6	5.4	h.6	7.8	TIME HOURS
VF 4105PEGO LFSS 100					-0.2		1.4	N.	7.2	2.4	3.0	3 . A	4.6	5.4	h.6	7.8	HOURS
VF 4185PEED 100 150 200						c.2	1.4 2 10	N.	7.2	2.6	3.0	3.8	4.6	5.4	A.6	7.8	0.2 0.6
VF 41RSPEED LFSS 100 150 200 250 300					-0.2	6.2 8 8	1.4 2 10 12 56	1.A	2 2.2	1	3.0	3.8	4.6	5.4	A.6	7.8	0.2 0.6 0.6 0.7
VF #185PEED 155 150 250 350 460 450 560 560 560 625					-0.2	6.2 8	1.4 2 10 12	1.A	1		3.0	3.8	4.6	5.4	A.6	7.8	0.2 0.6 0.6
VF #185PEED LFS5 100 150 200 250 300 350 400 450 500					-0.2	6.2 8 8	1.4 2 10 12 56	1.A	1	1	3.0	3.A	4.6	5.4	A.6	7.8	0.2 0.6 0.6 0.7
VF #185PEED LFS5 100 150 200 300 300 350 450 450 500 500 625 700		-1.8			1	8 8 8 26 3	1.4 2 10 12 56 8	1 . 4	1 2	1 1	3.0	3.8	4.6	5.4	A.6	7.8	0.2 0.6 0.6 0.7 0.0
VF #185PEED LFSS 100 150 200 250 300 350 400 450 500 500 500 700 TOTAL	F55	-1.8	-1.0 F15HT	11000	+0.2 1	8 8 26 3 3 45	1.4 2 10 12 56 8	1.8 1 A	1 2	2							0.2 0.6 0.6 0.7 0.0
VF #185PEED LESS 100 150 200 250 300 350 450 500 500 550 625 700 TOTAL VF #185PEED LESS 100	F55	-1.8	-1.0	11000	1	0.2 8 8 2 6 3 3 45 45 0.2	1.4 2 10 12 56 8 8	1.8 1 A	1 2	1 1	3.0	3.A	4.6	5.4	h.6	7.8	0.2 0.6 0.6 0.7 0.0
VF #185PEED LESS 100 150 200 250 300 350 400 500 500 500 70TAL *15510*, VF #185PEED LESS 100 150 200	F55	-1.8	-1.0 F15HT	11000	+0.2 1	0.2 8 8 26 3 3 45 45 6 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1.4 2 10 12 56 8 8 8	1.8 1 A	1 2	2							0.2 0.6 0.6 0.7 0.0
VF #IRSPEED LESS 100 150 200 250 300 350 400 450 500 500 707aL PISSION VF AIRSPEED LESS 100 150 200 250	F55	-1.8	-1.0 F15HT	11000	+0.2 1	0.2 8 8 26 3 45 1 TITUDE	1.4 2 10 12 56 8	1.8 1 A	1 2	2							0.2 0.6 0.6 0.7 0.0 0.7 0.0 7 1MF HOURS
VF #185PEED LESS 100 150 200 250 300 350 400 500 500 500 70TAL *15510*, VF #185PEED LESS 100 150 200	F55	-1.8	-1.0 F15HT	11000	1 1 1 -0.2	0.2 8 6 26 3 45 45 111TUDE	1.4 2 10 12 56 8 8 8	1.8 N	1 2 3 3 4Z 2.2	2							0.2 0.6 0.6 0.7 0.0 2.0 71МF HOURS

+ 1551Ct.	1	"E	•G+1	11000	Αį	TITUCE	100	00									
VE AIRSPEED			-1.0	.' -6	-0.2	0.2	1.4	1.8	2.2	2.6	3.C	3.8	4.6	5.4	6.6	7.8	TIME
LESS 100 150 200 250 300 450 450	LESS	-1.8	-1.0		-0.2	2 8 10 2	4 5 19 6	1 1	2	1							0.0 0.0 0.3 1.1 1.5 0.4 0.0
550 625 700 TCTAL						22	36	3	2	1							3.4
+15510h	3	w E	16 + 1	11000	A	L T 1 T U O E	150	000									
VE AIRSPEED LESS 100	(F 5 5	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	7.2	2.6	3.0	3.8	4.6	5,4	٨.6	7.8	TIME HOURS
150 200 250 360 350 450 550						2 7 5 3 3	13 11 4 3	1 1	3 1 1								0.0 0.5 1.3 1.6 0.5 0.0
625 700 707AL						20	36	5	5								3.7
V15510A	3	al	EIGHT	11000		LTITUD	20	000									
VF AIRSPEED	l E55	-1.8	-1.0	.0.6	-0.2	0,2	1.4	1.8	NZ 2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIME HOURS
LESS 150 200 250 300 357 400 450 500 550 625 700 TOTAL				1	1 4 1 1 7	9 33 34 7 1	8 34 51 12 2	1 5 1	2 4 4 1	2							0.0 0.9 2.9 2.9 0.7 0.0
~15510N	3		EIGHT	1100	0 /	ALTITUD	E 30	200									
LESS 100 150 250 300 350 400 450	4 FS\$	-1.8	-1.0	_0.6	0.2	2 2 3	1.4	1.8	NZ 7.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	0.0 0.2 0.9 0.5
550 625 709 TCTAL						7	13	3	2	1							1.5

TABLE VIII (Concluded)

· 15510r	3	₩E	1GHT	11000	A ,	TITUDE	40	100									
AL TIMEDEED									NZ .								TIME
LESS	1627	-1.8	-1.0	-6.0	-0.2	0.2	1.4	1 • a	2.2	2.6	3.0	3.8	4.6	3.4	4.6	7.8	HOUR 5
100																	
15C																	0.0
200						4											0.0
250						6	2										0.1
300						•	•										0.0
350																	0.0
400																	
450 500																	
500																	
550																	
625																	
700																	
TOTAL						10	2										0.1
·CIAL						10	~										0.1

TABLE IX Frequencies of n_z Peaks in n_{ze} versus Equivalent Airspeed Intervals by Altitude

a. T-38 Regular

ALTITUDE	LESS																
VE ALRSPEED	LES5			_0.6	0.3	0,2		N	2E 2.2	2.6				• 4			TIME
LE55 100	(63)	-1.4	=1.0		=0.2	0.2	1.4	1.6	2,2	4.0	3.0	3,6	4.6	5.4	6.6	7.8	HOUR5
150						12	210 599	26 61	2	2							2.3
250 300						3	45	19	2	1 2	2	3					0.4
150 406						••	• • • • • • • • • • • • • • • • • • • •	-	•	•	•	•					٠,,
450 500																	
550 625																	
700 TOTAL						47	869	130	7	5	4	4					5,4
																	1.5
ALTITUDE	1000																
VE AIRSPEED		-, -		0.4	-0.3				2.2			102					TIME
LESS	LESS	-1.8	-1.0	-0.0	-0,2	0.2	1,4	1.6	2,2	2,6	3,0	3.6	4.6	5.4	6,6	7.8	HOUR5
100 150					3	315	2290	282	18	.1	_						1.3 33.6 47.4
200 250					•	525 147 49	1309 792	209 377	40	14	3 4 2	1	1				10.7
300 350						37	179 54	116	10	4	2	1					0.1
400 450						1	2	1	1		1						0.0 0.0
500 550																	
625 700 Total					12	1075	\$627	992	103	31	12	2	1				04.5
TOTAL					12	1013	-627	972	103	31		4	•				94.5
ALTITUDE	2000																
ALTITUDE VE AIRSPEED		-1.4	-1.0	-0.6	-0.2	0.2	1.4		12E	2.6	3.0	3.6	4.6	5.4	6.6	7.8	TIME
VE AIRSPEED		-1.0	-1.0	-0.6	-0.2	0.2	1.4	1.8	12E 2,2	2,6	3.0	3,6	4,6	5,4	•.•	7,8	HOUR5
VE AIRSPEED LESS 100 150		-1.0	-1.0		17	884	6803	1.6	2,2	6	2		4,6	5,4	•.•	7,8	2.5 150.2
VE AIRSPEED LESS 100 150 200 250		-1.0	-1.0	_0.6	17 47 362	2 884 4204 17063 2546	6 6603 13124 28210	1.6 1653 5735 12124	2.2	712 2222	2 143 619	1 32	4.6		•.•	7.8	2.5 150.2 352.7 428.6
VE AIRSPEED LESS 100 150 200 250 300 350		-1.8		2 15	17 47 362 79 15	2 884 4204 17063 2546 189	6803 13124 28210 6648 330	1.6 2 1653 5735 12124 2531 194	2,2 143 3312 7052 585 41	712	143 619 73	1	1	5,4	6,6	7,8	2.5 150.2 352.7 428.6 54.8
VE AIRSPEED LESS 100 150 200 250 300 350 400		-1.8		2 15	17 47 362 79	2 884 4204 17063 2546	6803 13124 28210	1.6 1653 5735 12124 2531	2,2 143 3312 7052 585	712 2222 217 16	143 619 73	1 32 10	1		•.•	7,8	2.5 150.2 352.7 428.6 54.8
VE AIRSPED LESS 100 150 200 250 300 300 400 450 500 550		-1.8		2 15	17 47 362 79 15	2 884 4204 17063 2546 189	6603 13124 28210 6648 330 72	1.6 2 1653 5735 12124 2531 194 27	2,2 143 3312 7052 585 41	712 2222 217 16	143 619 73	1 32 10	1		6.6	7,8	2.5 150.2 352.7 428.6 54.8 1.5 0.2
VE AIRSPED LESS 100 150 200 250 300 395 400 450		-1.8		2 15	17 47 362 79 15	2 884 4204 17063 2546 189 43	6 6803 13124 28210 6648 330 72	1.6 2 1653 5735 12124 2531 194 27	2.2 143 3312 7052 585 41 8	712 2222 217 18	143 619 73	1 32 10	1		•.•	7,8	2.5 150.2 352.7 428.6 54.8 1.5
VE AIRSPED LESS 100 150 200 250 300 350 400 450 550 625 700		-1.8	3	15 2	17 47 362 79 15	2 884 4204 17063 2546 189 43	6 6803 13124 28210 6648 330 72	1.6 2 1653 5735 12124 2531 194 27	2.2 143 3312 7052 585 41 8	712 2222 217 18	143 e19 73 8	1 32 10 1	1 1	3	6.6	7,8	HOURS 2.5 150.2 352.7 428.6 54.8 1.5 0.2
VE AIRSPED LESS 100 150 200 250 300 350 400 450 550 625 700		-1.8	3	15 2	17 47 362 79 15	2 884 4204 17063 2546 189 43	6 6803 13124 28210 6648 330 72	1.6 2 1653 5735 12124 2531 194 27	2.2 143 3312 7052 585 41 8	712 2222 217 18	143 e19 73 8	1 32 10 1	1 1	3	6.6	7,8	HOURS 2.5 150.2 352.7 428.6 54.8 1.5 0.2
VE AIRSPED LESS 100 150 200 250 303 350 400 650 500 570 TOTAL ALTITUDE VE AIRSPEED	LESS		3	15 2	17 47 362 79 15	2 884 4204 17063 2546 189 43	6603 13124 28210 6648 330 72 3	1.6 2 1653 5735 12124 2531 194 27 2	2.2 143 3312 7052 585 41 8	712 2222 217 18	143 e19 73 8	1 32 10 1	1 1	3	6.6		HOURS 2.5 150.2 352.7 428.6 54.8 1.5 0.2 0.0
VE AIRSPED LESS 100 150 200 250 300 350 400 450 550 625 700 TOTAL ALTITUDE VE AIRSPEED LESS	LE55		3	19	17 67 362 79 15 1	2 684 4204 17043 2546 189 43 24931	6603 13124 28210 6648 3300 72 3	1.6 2 1653 5735 12124 2531 194 27 2	2,2 143 3312 7052 585 41 8 1	712 2222 217 18 4	2 143 619 73 8 1	1 32 10 1	1 1 1 3	3		7.8	2.9 150,2 352,7 428,6 54,8 1.5 0,2 0,0
VE AIRSPED LESS 100 150 200 250 303 350 400 650 500 570 TOTAL ALTITUDE VE AIRSPEED	LE55		3	19	17 67 362 79 15 1	2 884 4204 17083 2546 189 43 24931	66803 13124 28210 6648 330 72 3 555196	1.6 2 1653 5735 12124 2531 194 27 2 22268	2.2 143 3312 7052 585 41 11142	712 2222 217 18 4	2 143 619 73 8 1	1 32 10 1	1 1 1 3	3			2.9 150.2 352.7 428.6 54.8 1.5 0.2 0.0
VE AIRSPED LESS 100 150 200 200 300 350 400 550 625 700 TOTAL ALTITUDE VE AIRSPEED LESS 100 150	LE55		3	19	17 47 362 79 15 1 521	2 884 6204 17063 2546 189 43 24931	66803 13124 20210 6648 330 72 3 555196	1.6 2 1653 5735 12124 2531 194 27 2 22268	2.2 143 3312 7052 585 41 6 1	712 2222 217 18 4	2 143 619 73 8 1	1 32 10 1	3	3			2.5 190.2 352.7 428.6 54.8 1.5 0.2 0.0 990.5
VE AIRSPED LESS 100 150 200 250 303 350 400 550 623 700 TOTAL ALTITUDE VE AIRSPEED LESS 100 150 200 250	LE55	-1.8	3	19	17 67 362 79 15 1 521	2 884 4204 17063 2546 189 43 24931 0.2 556 1489 5319	66803 131240 28210 6648 330 722 3 555196	1.6 2 1653 5735 12124 2531 194 27 2 22268 1.6	2.2 143 3312 7052 585 1 8 1 11142	2222 217 18 4 3179	2 143 619 73 8 1 846	1 32 10 1 1	1 1 1 3	3 3 5.4			2.5 150.2 352.7 428.6 54.8 1.5 0.2 0.0 990.5
VE AIRSPED LESS 100 150 200 250 302 350 400 450 500 070TAL ALTITUDE VE AIRSPEED LESS 100 150 200 230 300 350	LE55	-1.8	3	19	17 67 362 79 15 1 521 -0.2	2 884 4204 17063 2546 189 43 24931 0.2 556 1489 5319 1413 1413	66803 131240 28210 6648 3330 72 3 55196	1.6 2 1653 5735 12124 2591 104 27 2 22268 1.6	2.2 143 3312 7052 585 41 8 1 11142 42E 2.2 44 638 272 35 15	712 2222 217 18 4 3179	2 143 619 73 8 1	1 32 10 1 1	3	3 5.4			2.5 150.2 352.7 428.6 54.8 1.5 0.2 0.0 990.5 71ME HOURS 1.2 34.8 115.1 199.9 82.7 1.0 0.3
VE AIRSPED LESS 100 150 200 250 302 350 400 550 625 700 TOTAL ALTITUDE VE AIRSPEED LESS 100 130 200 300 400 450 500 550 625	LE55	-1.8	3	19	17 67 362 79 15 1 521	2 884 4204 17063 2546 189 43 24931 0.2 12 556 1489 5319 147 36 35	66603 131246 6648 3300 72 3 55196 1.4 288 3144 4301 307 307 307 47 12	1.6 2 1653 5735 12124 2531 194 27 2 22268 22268 2403 2403 2513 39	2.2 143 3312 7052 585 41 8 1 11142	712 2222 217 18 4 3179	2 143 619 73 8 1 1 846	3.8 2 10 1 44	3	3 3 5.4	•.•		2.9 150,2 352,7 428,6 54,8 1.5 0,2 0,0 990,5
VE AIRSPED LESS 100 150 200 250 303 350 400 550 623 700 TOTAL ALTITUDE VE AIRSPEED LESS 100 200 250 300 350 400 450	LE55	-1.8	3	19	17 67 79 15 521 521 =0.2 2 130 6 2 4	2 884 4204 17063 2546 189 43 24931 24931 137 36 1489 319 1413 137 36 11 1	66683 13124 6648 3300 72 3 55196 1.4 288 3144 9651 3144 9651 268 268 3144 9651 27 28 28 28 28 28 28 28 28 28 28 28 28 28	1.6 2 1653 5735 12124 2531 194 27 2 22268 1.6 27 3466 2403 2327 151 39	2.2 143 3312 7052 585 41 8 1 11142 11142 2.2 2.2 4 4638 2.72 95 15	712 2222 217 16 4 3179 2.6	2 143 619 73 8 1 1 846	3.8 2 10 1 44	3	3 3 3 4 1 1 2	•.•		2.9 150,2 352,7 428,6 54,8 1.5 0,2 0,0 990,5 71ME HOUR5 12,3 34,8 115,1 199,9 82,7 3,7 1,0 0,3

TABLE IX - (CONTINUED)

ALTITUDE	10000																
VE AIRSPEED								N	2 E								TIME
LESS	LE55	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	2,2	2.6	3.0	3,8	4.4	5,4	6.6	7.8	HQURS 0.0
100					1	27	29	6	1								0.3
150 200				1	1 7	81	152	63	33 46	1 36	30	6	2	1			3.3 11.7
250	1	1	1		21	495	658	246	98	82	290	93 279	20 134	32	1		76.1
300 350	2	3	1	2	25 33	460 259	935	515 355	190	136	325	379	287	125	10		70.0
400		1	2	6	38	197	243	193	104	87 58	219	365	369 157	176	11		13,2
450 500			1	1	16	15	109	106	11	11	31	23	16	9	2		1.0
550						1					1	2					0.0
62 5 700																	
TOTAL	3	6	6	17	145	1707	2974	1583	713	553	1193	1311	987	437	27		206.0
AL717UDE	15000																
	13000																
VE AIRSPEED	1 555	-1.8	-1.0	_0.6	-0,2	0.2	1.4	1.8	2.2	2.6	3.0	3,8	4.6	5.4	6.6	7.8	TIME HOURS
LES5						4	-			-,0	-,0	3,0	-,0	7.4	0.0		0.0
100 150				1	31	1245	548 2262	35 918	122	11	3						5.2 29.6
200			2	1	48	484	1091	677	399	161	122	28	. 7	2			44.0
250 300		:	3	14	110	890	1116	953	561 716	483	715 1355	377 1184	169	32 234	1		119.9
350		3	2	8	80	451	514	445	381	478	1119	1004	487	180	1		46.4
400 450		1	1	1	38 7	23g 59	247 59	166	143	176	119	469 73	231 23	53 11	1	1	14.7 2.8
500		_				1	2	-	i	3	6	3	2	••	•		0.1
*50 625																	0.0
700 707AL		13	14	34	400	4734	7146	3921	2284	2086	2002		124		_		
,0,20		• • •		34	404	-734	/140	341	6374	2086	3882	3138	1765	512		1	379.7
ALTITUDE	20000																
	20000							N	12E								TIME
VE AIRSPEED	20000 LE55	-1.8	-1.0	•°•6	-0,2	0.2	1.4	1.8	2.2	2,6	3,0	3,8	4.6	5,4	6,6	7.8	TIME HOURS
VE AIRSPEED		-1.8	-1.0 1	2	25	481	149	1.8	2,2		3.0	3,8	4.6	5,4	6,6	7.8	0.1 2.1
VE AIRSPEED LESS 100 150			1	2 1 1	25	481 793	149	1.8 22 367	2,2	12	4	•	,	5,4	6,6	7,8	0.1 2.1 14.9
VE AIR5PEED LE55 100 150 200 250	LE55	1 9	1 2 5	2 1 1 5	25 130 166 242	1 481 793 1648 3496	149 850 1861 7704	22 367 1177 3963	2,2 62 642 2191	12 331 1271	166	33 270	71	6	6.6	7.8	0.1 2.1 14.9 133.9 483.2
VE AIRSPEED LESS 100 150 200 250 300		1 9 12	1 2 5	2 1 1 5 19 21	25 130 166 242 190	1 481 793 1648 3496 2833	149 850 1861 7704 7602	1.8 22 367 1177 3963 4439	2,2 62 642 2191 2213	12 331 1271 1265	166 944 1216	33 270 397	7 71 113			7,8	0.1 2.1 14.9 133.9 483.2 407.3
VE AIRSPEED LESS 100 150 200 250 300 350 400	LE55	1 9	1 2 5	2 1 1 5	25 130 166 242	1 481 793 1648 3496 2833 391 24	149 850 1861 7704 7602 637 38	22 367 1177 3963	2,2 62 642 2191 2213 350 29	12 331 1271 1265 295 35	166 944 1216 430 55	33 270	71	6 15		7.8	HOURS 0.1 2.1 14.9 133.9 483.2 407.3 51.5 2.0
VE AIRSPEED LESS 100 150 200 250 300 350 400	LE55	1 9 12	1 2 5	1 1 5 19 21	25 130 166 242 190 42	1 481 793 1648 3496 2833 391	149 850 1861 7704 7602 637	1.8 22 367 1177 3963 4439 670	2,2 62 642 2191 2213 350	12 331 1271 1265 295	166 944 1216 430	33 270 397 156	7 71 113 31	6 15		7,8	HOURS 0-1 2-1 14-9 133.9 483.2 407.3 51.5 2.0
VE AIRSPEED LESS 100 150 200 350 350 450 500	LE55	1 9 12	1 2 5	1 1 5 19 21	25 130 166 242 190 42	1 481 793 1648 3496 2833 391 24	149 850 1861 7704 7602 637 38	1.8 22 367 1177 3963 4439 670	2,2 62 642 2191 2213 350 29	12 331 1271 1265 295 35	166 944 1216 430 55	33 270 397 156	7 71 113 31	6 15		7.8	HOURS 0.1 2.1 14.9 133.9 483.2 407.3 51.5 2.0
VE AIRSPEED LESS 100 150 200 250 300 450 450	LE55	1 9 12	1 2 5	1 1 5 19 21	25 130 166 242 190 42 4	1 481 793 1648 3496 2833 391 24	149 850 1861 7704 7602 637 38	1.8 22 367 1177 3963 4439 670 31	2,2 62 642 2191 2213 350 29	12 331 1271 1265 295 35 2	166 944 1216 430 55	33 270 397 156	77 71 113 31 4	15	1	7,8	0-1 2-1 14-9 133-9 483-2 407-3 51-5 2-0 0-0
VE AIR5PEED LE55 100 150 200 250 300 450 450 550 625	LE55	1 9 12	1 2 5	1 1 5 19 21	25 130 166 242 190 42	1 481 793 1648 3496 2833 391 24	149 850 1861 7704 7602 637 38	1.8 22 367 1177 3963 4439 670	2,2 62 642 2191 2213 350 29	12 331 1271 1265 295 35 2	166 944 1216 430 55	33 270 397 156	7 71 113 31	6 15		7.8	HOURS 0-1 2-1 14-9 133.9 483.2 407.3 51.5 2.0
VE AIRSPEED LESS 100 150 200 250 300 450 500 550 625	LE55	1 9 12 2	1 2 5 6 2	2 1 1 5 19 21 5	25 130 166 242 190 42 4	1 481 793 1648 3496 2833 391 24	149 850 1861 7704 7602 637 38	1.8 22 367 1177 3963 4439 670 31	2,2 62 642 2191 2213 350 29	12 331 1271 1265 295 35 2	166 944 1216 430 55	33 270 397 156 18	77 71 113 31 4	15	1	7.8	HOURS 0-1 2-1 14-9 133-9 483-2 407-3 51-5 2-0 0-0
VE AIRSPEED LESS 100 150 200 250 300 350 400 500 500 707AL	LE55	1 9 12 2	1 2 5 6 2	2 1 1 5 19 21 5	25 130 166 242 190 42 4	1 481 793 1648 3496 2833 391 24	149 850 1861 7704 7602 637 38	1.8 22 367 1177 3963 6439 670 31	2 . 2 62 642 2191 2213 350 29 1	12 331 1271 1265 295 35 2	166 944 1216 430 55	33 270 397 156 18	77 71 113 31 4	15	1	7.8	HOURS 01 2-1 14-9 133,9 483,2 407,3 51-5 2.0 0.0
VE AIRSPEED LESS 100 150 200 250 300 300 605 500 625 700 707AL ALTITUDE	LE55	1 9 12 2	1 2 5 6 2	2 1 1 5 19 21 5	25 130 166 242 190 42 4	1 481 73 1648 3496 2833 391 24 1	149 850 1861 7704 7602 637 38	1.8 22 367 1177 3963 6439 670 31	2,2 62 642 2191 2213 350 29	12 331 1271 1265 295 35 2	166 944 1216 430 55	33 270 397 156 18	77 71 113 31 4	15	1	7.8	HOURS 01 14-9 133-9 483-2 407-3 51-5 2-0 0-0 1095-1
VE AIRSPEED LESS 100 150 200 250 300 350 400 550 625 700 707AL AL71TUGE VE AIRSPEED LESS 102	LE55	1 9 12 2	1 2 5 8 2	2 1 1 5 1 9 2 1 5 5 1	25 130 166 242 190 42 4	1 481 748 3496 2833 391 24 1	149 850 1861 7704 7602 837 38 1	1.8 22 367 1177 3963 4439 670 31	2.2 62 642 2191 2213 350 29 1	12 331 1271 1205 295 35 2	2816	33 270 397 156 18	7 71 113 31 4	25	1		HOURS 0-1 14-9 133.9 483.2 407.3 51.5 2.0 0.0 1095.1 TIME HOURS 0.0
VE AIRSPEED LESS 100 150 200 300 350 300 500 500 707 AL71TUGE VE AIRSPEED LESS 100 150	LE55	1 9 12 2 24	1 2 5 8 2 2 19	2 1 1 5 19 21 5 1	25 130 166 242 190 42 4	1 481 793 1648 3496 2833 391 24 1	149 850 1861 7704 7602 637 38 1	1.8 22 367 1177 3963 4439 670 31	2,2 2,62 642 2191 2213 350 29 1	12 331 1271 1265 295 35 2	2816 3.0	33 270 397 156 18	77 71 113 31 4	25	1		HOURS 01 14-9 133.9 483.2 407.3 51.5 2.0 0.0 0.0 1095.1 TIME HOURS 0.0 0.2 5.8
VE AIRSPEED LESS 100 150 200 250 300 300 350 605 700 707AL ALTITUDE VE AIRSPEED LESS 100 150 250 250 250 250 250 250 250 250 250 2	LE55	1 9 12 2 24	1 2 5 8 2 19	2 1 1 5 19 21 5 1 1	25 130 166 242 190 42 4 799	1 481 793 1648 3496 2833 391 24 1 1 9668 C-2 1 30 101 923 2595	149 850 1861 7704 7602 837 38 1	1.8 22 367 1177 3963 4439 670 31 10669	2.2 2 642 642 2191 2213 350 29 1 1 5490	12 331 1271 1265 295 35 2 3211	2816 3.0	33 270 397 156 18	771 1133 314 4	25	1		HOURS 0-1 2-1 14-9 133.9 483.2 407.3 51.5 2.0 0.0 0.0 1095.1 TIME HOURS 0.0 0.2 132.7 383.7
VE AIR5PEED LE55 100 150 200 250 300 350 450 550 625 700 7C7AL AL71TUGE VE AIR5PEED LE55 100 150 200 250 300	LE55	1 9 12 2 2 4 -: .8	1 1 2 5 5 8 2 2	2 1 1 5 19 21 5 1 1 5 1	25 130 166 242 190 42 4 799	1 481 793 1648 3496 2833 391 24 1 1 9668	149 850 1861 7702 7602 637 38 1 19042	1.8 22 367 1177 3963 4439 670 31 10669	2.2 2 62 642 2191 2213 350 29 1 1 5490	12 331 1271 1265 295 35 2 3211	2816 3.0 157 2112	33 270 397 156 18	7711133314	25	1		HOURS 01 14-9 133.9 483.2 407.3 51.5 2.0 0.0 0.0 1095.1 TIME HOURS 0.2 5.8 132.7 385.7 134.3
VE AIRSPEED LESS 100 150 200 300 350 400 500 500 707AL ALTITUDE VE AIRSPEED LESS 100 200 250 200 250 200 250 300 350	LE55	1 9 12 2 24	1 2 5 8 2 19	2 1 1 5 19 21 5 1 1	25 130 166 242 190 42 4 799	1 481 793 1648 3496 2833 391 24 1 1 9668 C-2 1 30 101 923 2595	149 850 1861 7704 7602 837 38 1	1.8 22 367 1177 3963 4439 670 31 10669 1.8 124 4633 2066 29	2.2 2 642 642 2191 2213 350 29 1 1 5490	12 331 1271 1265 295 35 2 3211	2816 3.0 157 2212 27	33 270 397 156 18	771 1133 314 4	25	1		HOURS 01 14-9 133-9 483-2 407-3 51-5 2-0 0.0 0.0 1095-1 1095-1 1095-1 122-7 385-7 136-3 1-6 0.0 0.0
VE AIRSPEED LESS 100 150 200 300 350 400 500 625 700 707AL ALTITUGE VE AIRSPEED LESS 100 200 200 300 350	LE55	1 9 12 2 24	1 2 5 8 2 19	2 1 1 5 19 21 5 1 1 5 1	25 130 166 242 190 42 4 799	1 481 793 1648 3496 2833 391 24 1 1 9668 C 2 2 1 300 101 923 2595 1091 20	149 850 1861 7704 7602 837 38 1 19042	1.8 22 367 1177 3963 4439 670 31 10669	2.2 642 2191 2213 350 29 1 5490	12 331 1271 1265 295 35 2 3211	2816 3.0 157 2112	33 270 397 156 18	7711133314	25	1		HOURS 0-1 14-9 133.9 483.2 407.3 51.5 2.0 0.0 0.0 1095.1 TIME HOURS 0.0 0.2 5-8 132.7 7383.7 134.3
VE AIR5PEED LE55 100 200 250 300 350 450 550 625 700 7C7AL AL71TUGE VE AIR5PEED LE55 100 150 200 250 350 450 450 550 550 550 550 550 550 550 5	LE55	1 9 12 2 24	1 2 5 8 2 19	2 1 1 5 19 21 5 1 1 5 1	25 130 166 242 190 42 4 799	1 481 793 1648 3496 2833 391 24 1 1 9668 C 2 2 1 300 101 923 2595 1091 20	149 850 1861 7704 7602 837 38 1 19042	1.8 22 367 1177 3963 4439 670 31 10669 1.8 124 4633 2066 29	2.2 642 2191 2213 350 29 1 5490	12 331 1271 1265 295 35 2 3211	2816 3.0 157 2212 27	33 270 397 156 18	7711133314	25	1		HOURS 01 14-9 133-9 483-2 407-3 51-5 2-0 0.0 0.0 1095-1 1095-1 1095-1 122-7 385-7 136-3 1-6 0.0 0.0
VE AIR5PEED LE55 100 150 200 250 300 350 450 550 625 700 7C7AL AL71TUGE VE AIR5PEED LE55 100 200 250 350 400 450 550 550 550 550 550 550 550 5	1 30000 LE95	1 9 12 2 2 2 2 4: .8 3 10 2 2	1 1 2 2 5 5 8 2 2 19 1.0 4 7 7 3 3	2 2 1 1 1 5 5 5 1 1 5 5 6 7 7 2 5 5 1 4 1 1 1	25 130 166 242 190 42 4 799	1 481 793 1648 33496 2833 391 26 1 30 101 923 2595 1 20 2	149 850 1861 77004 7602 837 38 1 19042	1.8 22 317 3177 3963 4439 670 31 10669 1.8 14 1526 4863 209 3	2,2 2 642 2191 23 350 29 9 1 5490	12 1271 1271 1265 295 35 2 3211 2.6 2 250 861 2016 16	2816 3.0 1.216 4.30 5.5 1 2.816	33 270 397 156 18	77111331114 226	25	1		HOURS 0-1 2-1 14-9 133-9 483-2 407-3 51-5 2-0 0-0 1095-1 TIME HOURS 0-0 0-2 5-8 132-7 134-3 1-4 0-0 0-0
VE AIRSPEED LESS 100 150 200 300 300 300 605 605 700 707AL ALTITUDE VE AIRSPEED LESS 100 200 200 300 350 400 605 605 605 605 605 605 605 605 605 6	LE55	1 9 12 2 24	1 2 5 8 2 19	2 1 1 5 19 21 5 1 1 5 1	25 130 166 242 190 42 4 799	1 481 793 1648 33496 2833 391 26 1 30 101 923 2595 1 20 2	149 850 1861 7704 7602 837 38 1 19042	1.8 22 317 3177 3963 4439 670 31 10669 1.8 14 1526 4863 209 3	2.2 642 2191 2213 350 29 1 5490	12 331 1271 1265 295 35 2 3211	2816 3.0 157 2212 27	33 270 397 156 18	7711133314	25	1		HOURS 01 14-9 133.9 483.2 407.3 51.5 2.0 0.0 0.0 1095.1 TIME HOURS 0.2 5.8 132.7 385.7 134.3 1.6

ALTITUDE	40000																
VE AIRSPEED								N	2.2								TIME
	LESS	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIME HOURS
LES5 100																	
150		1			1	8	4	2	1								0.0 1.3 17.5
200		4	3		1 4 1	61	61	26	9	4	4	2					17.5
250		3	3	2	1	54	56	33	21	7	. 8	4					13.4
300 350				1	1	21	9	12	13	4	2	1					13.4 0.3 0.0
400																	0.0
450																	
500																	
550																	
625																	
700 TOTAL				3	7	144						_					
TOTAL		8		,	7	144	130	73	44	15	14	7					32.5
ALT1TUDE	50000																
VE AIRSPEED								N.	Z.2								TIME
	LESS	-1.8	-1.0	.0.6	.0.2	0.2	1.4	1.8	2,2	2.6	3.0	3,8	4.6	5.4	6.6	7.8	HOURS
LESS														_		-	
100																	
150 200																	0.0
250																	0.0
300																	0.0
350																	
400																	
450																	
500 550																	
625																	
700																	
TOTAL																	0.0

b. T-38 LTF

ALT1TUOE	LESS																
VE AIRSPEED									2 E								TIME
of Many CCo	LE55	-1.8	-1.0	_0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	HOURS
LE55							• •							•			40043
100																	0.0
150						43 133 65	200 94 94 15	31	3 5 15								4.8 4.6 1.7 0.2
200					1 2	133	94	18 51	5	5	6						6.6
250					2	65	94	51	15	1	1						1.7
300						8	15	16	6								0.2
350																	
400																	
450 500																	
550																	
625																	
100																	
TC !AL					3	249	403	116	29	6	7						11.4
					•	2-4	403		24	•	•						****
ALTITUDE	1000																
VF AIRSPEED								N	2E								TIME
	LESS	-1.8	-1.0	_0.6	-0.2	0,2	1.4	1.8	2.2	2.	3.0	3.8	4.6	5.4	6.6	7.8	HOURS
LESS																	
100					_												0.0
150 200				1	3	101	307	61 201 535	3	2	1						8.6
250						211	260	201	130	25	4						12.9
300					111	101 211 864 61	307 260 707 89	535	12	2 25 80 5	20						17.8
350					•	1	3	45	12	,							17.8 0.8 0.0
400							,										0.0
450																	
500																	
550																	
625																	
700																	
TOTAL				1	19	1238	1366	842	452	112	31						40.2
																	_

ALTITUDE	2000																
VE AIRSPEED								N	2E 2.2	_						_	TIME
LESS	LE55	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3,0	3,8	4.6	5.4	6.6	7.8	HOURS
100				,	4	1	127	34									0.0
150 200				1	2	56 290	587	211	106	20	3						18.4
250 300					21	179	1089	102	295	73 10	21	1					3.3
350					•	11	1.6	8	2		1	1					2.0
400						1	1 2	2									0.0
500 550																	
625																	
TOTAL				2	29	1482	2273	809	430	103	28	2					52.3
ALTITUDE	5000																
VE AIRSPEED								N	ZE								T1ME
	LE55	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	1.8	HOURS
LESS 100																	
150 200					1	35 110	36 238	1 21	2		22						9.3
250					5	286	436	78	24	3	11	1	_				16.3
300 350					2	82 6	147	65	19	7	3	3	2	2			5.3 0.4
400 450					1	5	4	3	1	1	4	3	5	3			0.2
500						1		i	•	i	•	•	ĩ				0.0
550 625																	
TOTAL					14	529	880	178	50	19	45	12	13	5			34.2
					-		•		•					•			,
ALTITUDE	10000																
VE AIRSPEED	0002								•-								
	LF55	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	2E	2.6	3.0	3.8	4.6	5.4	6.6	7.6	TIME HOURS
LE55 100				1		8	3.2	,									0.0
150 200				•	1	24	105 24	40 17	3 8	5	4						1.0
250				1	8	106	157	60	26	25	32	14	8				2.0 12.9
300 350		1	2		9 11	133 47	154 68	67	39 25	28 23	53 47	41	39 43	19	1		9.0 3.2
400 450					3	19	14	17	19	17 13	28 13	43	39	17	3 2		1.4
500					•	2	3		•	1	1	3	2	•	•		0.5
550 625												1					
TOTAL		2	2	2	33	358	561	252	129	112	178	162	140	50	6		30.9
		•	•	•	•		20.	.,,	•-•	•••	• 10		.40	,0	•		30.4
4. * 171 Be																	
ALTITUDE	15000																
VE AIRSPEED	LE55	-1.8	-1.0	-0.6	-0.2	0.2	1.4	2.8	ZE 2.2	2.6	3.0	3.6	4.6	5,4	6.6	7.8	TIME HOURS
LE55 100						160	19	1	-	•	-		•				0.0
150					7	58	101	71	5	1							0.3
200 250			1		10	63 97	79 170	95 119	69	18 58	19	2 31	15	3			5.8 15.7
300 350		1		3	10	96	138	95 30	67	53 29	96 73	75 55	63	14			11.6
460		•		í	2	16	22	14	10	9	29	28	24	8			9.8
45 0 500					1	5	6	3	2	2	11	6	3				0.2
550 625																	
TOTAL		2	1	4	40	537	655	42 g	228	170	317	1	137				
		٠	•	•		,,,	0,,	7-7		170	317	197	137	36			40.4

TABLE IX - (CONCLUDED)

ALT1TU0E	20000																
VF AIRSPEED	LE55	-1.0	-1.0	0.4	-0.2	0.2	1.4	1.8	ŽE 2.2	2.6	3.0	3,8	4.6	5,4	4 4	7.8	TIME HOURS
LE55 100 150	CESS	-1.0	-1.0	1 2	4	41 71	6	2	4	1	3.0	3.0	4.0	,,,	6,6	1.8	0.0 0.1 1.1
200 250 300 350 400 450 500 550		1	1	1 7 2 1	20 30 19 4	144 451 307 35 3	216 930 771 53	146 497 394 39	81 263 226 26 1	28 145 122 24	9 78 107 35 4	2 14 25 9 2	3 6 1				14.7 48.7 35.0 4.0 0.1
700 TOTAL		1	1	14	88	1052	2041	1094	601	320	233	52	10				103.8
ALTITUDE	30000																
VE AIRSPEED		-1-0	-1.0	0.4	-0.3	0.3		N	2E	2 4	2.0						TIME
LE55 100	LESS	-1,6	-1.0	-0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	HOURS 0.0 0.0
150 200 250 300				1 2 3	3 9 5	6 44 97 47	99 344 169	54 181 82	21 79 37	8 29 11	3 10 6	1 1 1	1				0.3 8.8 24.9 7.7
350 400 450 500 550 625						6	6	3	3	1	1	2					0.4
700 TOTAL				5	17	201	623	322	140	49	23	5	1				42,1
ALT1TU0E	40000																
VE AIRSPEED LESS	LE55	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.6	2.2	2.6	3,0	3.8	4.6	5.4	6.6	7.8	TIME HOURS
100 150 200 250 300 350 400 450		1	1			10 11 6	1 8 7 3	1 4 1	1		1	1					0.3 3.7 2.8 0.1
550 625																	
700 TOTAL		1	1			28	19	6	1		1	1					6.9
ALTITUDE	50000																
VF AIRSPEED	1 E S 5	-1.8	-1.0	_0.6	-0.2	0,2	1.4	1.8	ZE 2.2	2.6	3,0	3.8	4.6	5.4			TIME
L£55 100 150 200 250 300 350 400	[[]	,0	-1.0		-0.1	•	•••	•••	•••	••0	,,,	3.6	4.0	7 . •	6.6	7.8	0.0 0.0
450 500 550																	
625 700 TOTAL																	0.0

TABLE X Frequencies of n_z Peaks in n_{ze} versus Equivalent Airspeed Intervals by Altitude for Each Mission Type

a. T-38 Regular

Mission 1 - Training

¥1551	1	AL	.	E LE	. 55												
VE AIRSPEED																	
LE55 100	l E S	5 -1.	8 -1	0 .0.	6 •0	.2 0	.2 1	.4 1.	NZE 8 2.	2 2.6	3,0	3.6	4.6	5,4	6.0	7.8	TIME
150 260 350 350 460 450 500							10 4;	27 3	5 17 6	1	I						0.0 0.4 1.1 0.1 0.0
550 625 700 TOTAL						1	. 8 56	1 5	A	1							1.7
*15510N	1	AL	TITUCE	10	on.												
VE AIRSPEED			_	•••	••												
LESS 100	LES!	5 -1.	8 -1.	0 -0.	- 0,	2 0.		4 1.1	NZE 8 Z,	2 2,6	3.0	3,8	4,6	5,4	6,6	7.8	TIME HOURS
150 200 250 300 350 450 450 500 550 625						3 18 3 30 8	8 153 6 85 5 50 4 3: 5 4:	9 20 5 12 1 18 2 2	5 22 7 25 7 3	11	3 3 1 2						0.6 17.6 34.7 6.3 0.3 0.1 0.0
700																	
TOTAL					•	618	2976	554	66	20	10						
4 15510A	1	ALT	1 t U D E	200	n												59.6
VE AIRSPEED																	
LESS 100 150	LE55	-1.8	-1.0	-0.6		•	1.4		NZE 2,2	2.6	3.0	3,8	4.6	5,4	6,6	7.8	TIME
200 250 300 350 400 450 500 550			3	11111	13 26 246 51 7	2696 11256 1533 106	4583 7416 19402 3611 160	1299 4259 9130 1281	121 2576 5686 392 10 6	5 572 1822 150 8 3	2 114 498 53 7 1	1 27 9	1 1	17			1.2 78.6 216.2 294.9 31.0 0.6 0.1
625 700																	
TCTĂĹ			3	:3	344	16216	35247	16043	8791	2560	675	37	3	2			622.8
M15510N	1	ALTI	TUCE	5000													
VE AIRSPEED	LESS	-1.0						N	2E .								
LESS 100	1433	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIME HOURS
150 200 250 300 353 400 450 500 550 625 700				1 1 3 2 1	13 32 88 22 1	288 667 2977 639 24 3 4	270 1036 4816 1863 78 14 4	19 194 1364 1078 35 6 3	90 452 123 9 3	32 169 30 3 4	9 45 9 9 3 2	2 6 5 3 2 2	1 3 3	1 1 2	1		0.5 11.6 38.3 100.6 40.2 1.4 0.4 0.1
TOTAL				A	158	4612	8099	2700	681	239	77	20	7	4	1		193.2

Mission 1 - Training (Continued)

*15510°.	•	ALT1	TUCE	10000													
VE AIRSPEED		-1.8	-1.0	-0.6	-0.3				ι²Ε,	2 4	3.0						TIME
LESS	[235	-1.0	-1.0		-0,2	0.2	1.4	1.8	2.2	2.6	3.0	3,6	4.6	5,4	6.6	7.8	HOURS 0.0
100 150					1	14	18	46	16								0.2
200					5	34	61	34	29	26	28	6	2	2			3.4
250 300		1		1	16	188	318	109 262	65 136	103	110 232	78 428	114	30	1		32.1 35.4
350	2	1	1	6	20	145	239	198	126	118	275	314	226	114	10		17.8
400 450		1	2	5 1	28 13	135	159 79	134	83 46	68	173	294 131	307 130	156	10		12.0
500			-	_	1	13	8	9	8	9	22	14	14	8	2		0.8
550 625																	0.0
7C0 TOTAL	2	,		13	107	859	1386	863	509	426	949	1065	812	392	25		103.6
TOTAL	•	3	•	13	107	829	1380	803	30 9	740	949	1009	914	342	25		103.6
₩15510n	1	AL T1	TUCE	15000													
	•		. ,	1,000													
VE AIRSPEED	LESS	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIME HOURS
LESS						4							-				0.0
100 150				1	28	1044	1821	30 778	100	11	3						25.5
200 250			1	1	63	401 564	814 712	578 514	356	146 397	103	324	151	28	1		29.0
300		3	4	10	69	597	816	678	476 570	581	1100	987	739	207	4		71.9
350 400		2	2	6 2	67 28	345 193	338 193	313 131	300 111	368 126	871 334	813 377	403 193	153	1	1	31.6 11.0
4.0		1	•	i	5	49	38	33	23	35	84	58	17	9	î	•	2.0
500 550							2		1	3	3	2	1				0.1
625																	
7C3 TAL		6	11	25	332	3635	5185	3055	1030	1667	3100	2585	1511	442	7	1	241.9
		_							•								
¥155101.	1	A1 V1	TUCE	20000													
	•		1002	20000													
CESTATA SV	L E 55	-1.8	-1.0	-0.5	-0.2	0,2	1,4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIME HOURS
LESS 100			1	2							•		•				0.1
150			i	1	18	153 603	81 542	16 24g	45	10	3						1.3 11.0
200 250		3	1	12	143	1181	1003	737	420	234	121	28	6				68.7
300		5	1 2	15	107	1829	3520 3284	1948 2063	1116	703 711	634 773	21 g 286	63 92	13			227.0 193.6
350		1	1	3	25	197	372	336	211	188	292	102	22	2			26.1
400 450				1	3	14	18	19	21	23	36	14	4				1.1
500						•			•	•	•						0.0
550 625																	
700 TCTAL		_	7	2.	545	£33.	****			1.070	17						1.27
CIAL		9	,	39	245	5339	8870	5367	2974	1873	1862	649	187	20			528.8
F 15510F.	1	ALII	TUCE	10000													
VE AIRSPEED	LESS	-1.8	-1.0	_0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0						TIME
LESS	[[]		-1.0		-0.1	0.2		1.0	2,2		3.0	3,8	4.6	5.4	6.6	7.8	HQURS 0.0
100 150						5 35	3	,1									0.1
260			1	3	22	322	840	37 562	282	96	20	1					1.9 36.4
250 300			4	7	41	823 323	2823	1735	903	331	77	4	1				102.1
350				,	1	6	1210	697	312	109	36	6	1	1			36.3
400 450					-	2	í	í		•	•	1	•				0.0
500																	0.0
550 625																	
700																	
TOTAL			6	15	91	1516	4960	3037	1510	53g	135	15	6	1			177.1

Mission 1 - Training (Concluded)

FISSICA.	1	ALTI	TUCE	₹0000													
VE #105PEED LESS	LESS	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.6	?E 2.2	2.6	3.0	3.6	4.6	5,4	6.6	7.8	TIME
100 150 200 250 300 350			1		1	1 13 10 3	1 I I I I I I I I I I I I I I I I I I I	6	2 4 3	2	2 4 2	1 2					0.0 0.2 2.0 1.6 0.1
400 450 500 550 625 700					-		-	7,1	•	3		3					3.0
TOTAL			1		1	27	24	11	•	,	•	,					2.0
#ISSION	1	ALT	TUDE	•0000	,												
VE AIRSPEED LESS 100	LESS	-1.6	-1.0	-0.6	-0.2	0.2	1.4	1 . 8	2.2	2.6	3.0	3,6	4.6	5,4	6.6	7.8	TIME HOURS
150 200 253 300 350																	0.0
350 400 450 500 550																	
625 707 TOTAL																	0.0

Mission 2 - Formation

* 15510r	2	ALT	11U[E	LES													
VF AIRSPEED	•				,,												
LESS	LESS	-1.8	-1.	.0.	-5.2	2 0,	2 1.4	4 1.8	NZE 2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIME HOURS
100												•	•		•••		
150 2 00							1 1	6									0.0
250 300							2 :	3 1									0.1
350							- 7	2 2									0.0
450 450																	
500																	
550 625																	
700 TOTAL																	
						4	76										0.2
* 15510N	2	ĀLT	ITUDE	100	•												
VE AIRSPEED	-			100	v												
	LESS	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	12E	2.6	3.0						TIME
LESS 100					- • •	•••	***	1.0	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	HOURS
150 200						26	146	15									0.1
250						46	99	7	2								1.8
300 350						ģ	14		2								0.5
400																	0.1
450 500																	
550 625																	
77.0																	
TCTAL						€8	289	54	4								4.7
																	•
M1551CN	2	ALTI	TUCE	2000	;												
VE AIRSPEED									70								
LESS	LE55	-: •8	-1.0	-0.6	-0.2	0.2	1.4	1.8	2 · 2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIME HOURS
100														• •			
150 200					4	35 235	418 659	90 351	6	. 1							0.2 7.6
250 300				1	24	1107	1547	746	188	30 120	9 35	3					17.3
350					2	212	328	169	52	15	1	1		1			26.8
460 450								1	•	1							0.1
500 550																	
+25																	
700 TOTAL				1	20	1803	2001										
				•	30	1593	2974	1379	700	167	45	4		1			57.1
₩15510K	2	ALTI	TUTE	5000													
VE AIRSPEED																	
LESS	LE\$5	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	?.2	2.6	3.0	3.8	4.6	5.4	4 4		TIME
100						3	5				•	•••		7.4	6.6	7.8	HOURS
150 200					2	68	38		1								0.1
250 300					8	117 373	143 534	17	30	6 2	1						6.6
350					7	114	241	161	20	5	3						12.2 5.7
400 450						-	,	1			1	1					0.1
500 550											1	•					0.0
625														1			0.0
700 TOTAL																	
					25	679	968	294	58	13	6	1		1			27.5

Mission 2 - Formation (Continued)

+ 1551C+.	2	ALT:	TUDE	;0000													
VE 4185PE(0								N.	7 F								T1MF
	LFSS	-1.8	-1.0	-c.e	-0.2	0.2	1.4	1.8	ZE 2.2	2.6	3.0	3.6	4.6	5.4	6.6	7.8	HOURS
LESS 110																	0.0
155 200						3	7	3 2	2	2							0.1
250						27	41	13	4	3	8	5	1				4.6
300 350					1 2	22 12	74	24	8	7	12	15	21	1 7			1.3
4€0					3	11	9	5	3	6	11	23	24	8			0.7
450 500					1	10	8	7	1	6	11	12	13	6			0.5
550					•			•	•			,	•	•			•••
625 700																	
TOTAL					8	8 8	135	75	30	31	54	76	70	23			11.7
*15510%	2	ALT1	TUCE	15000													
AL TIBREED		-1.8	-1.0	-0.6	=0.2			Ni Ni	2.2	2.6	3.0	3.6	4.6	5,4	6.6		TIME
LESS	LE55	-1.0	-1.0	-0.0	=0.2	0.2	1.4	1.8	2.2	2.0	3.0	3.8	4.0	٠,٠	0.0	7.8	HCURS
100 150					3	76 26	35 142	56	8								G.3 1.8
2 00					2	26	40	40	17	9	14	1					2.3
250 300		1		1	3	53 50	65	3 9 5 5	31 41	34	48	83	11 53	22			7.5
350				1	4	26	37	3 1	20	22	66	77	34	14	1		3.2
463 45 0				1	1	8 2	13	B	12	13	34 15	31	15	4			1.0 G.Z
500					•	•		,		·	1	1	1				0.0
550 625																	
70 / TOTAL		,		3	25	267	402	231	130	124	257	226	117	43	1		23.2
		1		,	• •	207	402	231	130		231	210	117	٠,	•		23.2
· 155107.	,	ALT)	LTUDE	-0000)												
+ 15510t.	,	ALT?	TUDE	>0000													
VF AIRSPEED	, LESS		-1.0	,000c	=0.2	0.2	1.4	N. 1 • 8	ZE 2.2	2.6	3.0	3.6	4.6	5.4	4.6	7.0	TIME
VF AIRSPEED		ALT!					1,4	1.8	2.2	2.6	3.0	3.8	4.6	5,4	6.6	7.8	HOURS
VF AIRSPEED LESS 100 150					=0.2 9	1 30	13	1 18	2,2	1	1		4.6	5,4	6.6	7.8	HOURS 0.1
VE AIR5PEED LESS 100 150 200					-0.2 9	1 38 141	13 152	1 18 90	2.2	23	1 16	3		5,4	6.6	7.8	0.1 0.3 10.3
VF AIRSPEED LESS 100 150 200 250 300					-0.2 9 8 29 16	1 38 141 315 271	13 152 728 768	1 18 90 345 401	2.2 2 55 189 187	1 23 123 119	1 16 61 131	3 24 46	3 9		6.6	7.8	0.1 0.9 10.3 37.6 32.7
VF AIR5PEED LESS 100 150 200 250 300 320 400			-1.0	-0.6	-0.2 9	1 38 141 315	13 152 728	1 18 90 345	2 . 2 . 55 . 189 . 197 . 27	1 23 123 119 26	1 16 61 131 54	3 24 46 28	3	3.4	6.6	7.8	0.1 0.3 10.3 37.6 32.7
VF AIR5PEED LESS 100 150 200 250 300 320 400 450			-1.0	-0.6	-0.2 9 8 29 16	1 38 141 315 271 27	13 152 728 768	1 18 90 345 401	2.2 2 55 189 187	1 23 123 119	1 16 61 131	3 24 46	3 9		6.6	7.8	0-1 0-3 10-3 37-6 32-7 4-1 0-2 0-0
VF AIR5PEED LESS 100 150 200 250 300 399 400 450 500			-1.0	-0.6	-0.2 9 8 29 16	1 38 141 315 271 27	13 152 728 768	1 18 90 345 401	2 . 2 . 55 . 189 . 197 . 27	1 23 123 119 26	1 16 61 131 54	3 24 46 28	3 9		6.6	7.8	0.1 0.9 10.3 37.6 32.7 4.1 0.2
VF AIR5PEED LESS 100 150 200 250 300 350 450 450 550 625			-1.0	-0.6	-0.2 9 8 29 16	1 38 141 315 271 27	13 152 728 768	1 18 90 345 401	2 . 2 . 55 . 189 . 197 . 27	1 23 123 119 26	1 16 61 131 54	3 24 46 28	3 9		6.6	7.8	0-1 0-3 10-3 37-6 32-7 4-1 0-2 0-0
VF AIR5PEED LESS 100 150 200 250 300 399 400 450 500			-1.0	-0.6	-0.2 9 8 29 16	1 38 141 315 271 27	13 152 728 768	1 18 90 345 401	2 . 2 . 55 . 189 . 197 . 27	1 23 123 119 26	1 16 61 131 54	3 24 46 28	3 9		6.6	7.8	0-1 0-3 10-3 37-6 32-7 4-1 0-2 0-0
VF AIR5PEED LESS 100 150 200 250 300 310 450 450 500 625 700			-1.0	-0.6	-0.2 9.8 29.16.4	1 38 141 315 271 27	13 152 728 768 80	1 18 90 345 401 53	2 . 2 55 189 197 27	1 23 123 119 26 4	1 16 61 131 54 6	3 24 46 28 2	3 9 5	2	6.6	7.8	0.1 0.3 10.3 37.6 32.7 4.1 0.2 0.0
VF AIR5PEED LESS 100 150 200 250 300 310 450 450 500 625 700		-1.8	-1.0	-0.6	-0.2 98 29 16 4	1 38 141 315 271 27	13 152 728 768 80	1 18 90 345 401 53	2 . 2 55 189 197 27 1	1 23 123 119 26 4	1 16 61 131 54 6	3 24 46 28 2	3 9 5	2	6.0	7.8	0.1 0.3 10.3 37.6 32.7 4.1 0.2 0.0
VF AIR5PEED LESS 100 150 200 250 300 350 450 450 550 625 700 TOTAL	LESS	-1.8 ALT1	-1.0 :	2	-0.2 98 29 16 4	1 38 141 315 271 27 1	13 152 728 768 80	1 18 90 345 401 53	2 . 2 55 189 197 27 1	1 23 123 119 26 4 1	1 16 81 131 54 8	3 24 46 28 2	3 9 5	2			MOURS 0.1 0.9 10.3 37.6 32.7 4.1 0.2 0.0 0.0
VF AIR5PEED LESS 100 150 200 250 300 350 450 500 550 625 700 TOTAL	LESS	-1.8	-1.0 :	2	-0.2 98 29 16 4	1 38 141 315 271 27	13 152 728 768 80	1 18 90 345 401 53	2 . 2 55 189 197 27	1 23 123 119 26 4	1 16 61 131 54 6	3 24 46 28 2	3 9 5	2	6.6	7.8	MOURS 0-1 0-3 10-3 37-6 32-7 4-1 0-2 0-0 0-0
VF AIR5PEED LESS 100 150 200 250 300 320 450 500 550 625 700 TOTAL WE AIR5PEED LESS 100	LESS	-1.8 ALT1	-1.0 :	2	-0.2 98 29 16 4	1 38 141 315 271 27 1	13 152 728 768 80	1 18 90 345 401 53	2 . 2 2 . 55 189 197 27 1	1 23 123 119 26 4 1	1 16 81 131 54 8	3 24 46 28 2	3 9 5	2			HOURS 0+13 10-3 37-6 32.7 4-1 0-2 0-0 0-0 85.8
VF AIR5PEED LESS 100 150 200 250 300 300 350 450 450 550 625 700 TOTAL WISSION VE AIR5PEED LESS 100 150 200	LESS	-1.8 ALT1	-1.0 :	2 2 30000	-0.2 9 8 29 16 4	1 38 141 315 27 1 794	13 152 728 768 80	1 .8 1 18 90 345 401 53	2.2 255 189 107 27 1	23 123 129 26 4 1	1 16 81 131 54 8	3 24 46 28 2	17	2			0.1 0.3 10.3 37.6 32.7 4.1 0.2 0.0 0.0 85.8 71MF HOURS 0.0 0.0 0.4
VF AIR5PEED LESS 100 150 200 250 300 352 450 550 625 700 TOTAL MISSION VE AIR5PEED LESS 100 250 250	LESS	-1.8 ALT1	-1.0 :	-0.6 2 2 3000n -0.6	-0.2 98 29 16 4	1 38 141 315 271 1 794	13 152 728 768 80	1 . 8 1 1 8 90 3455 401 53 908	2.2 55 189 197 27 1 1 461	23 123 119 26 4 1	1668113154888888888888888888888888888888888	3 24 46 28 2	17	2			0-1
VF AIR5PEED LESS 100 150 200 250 300 322 400 450 500 550 625 700 TOTAL MISSION VF AIR5PEED LESS 100 250 250 360 350	LESS	-1.8 ALT1	-1.0 :	2 2 30000	-0.2 9 8 29 16 4	1 38 141 315 27 1 794	13 152 768 80 1741	1 · 8 1 · 8 90 345 401 53 908	2.2 255 189 107 27 1	23 123 129 26 4 1	1 16 81 131 54 8	3 24 46 28 2	17	2			MOURS 0.1 0.3 37.6 32.7 4.1 0.2 0.0 0.0 0.0 71MF HOURS 0.0 0.0 0.0 13.3 31.0
VF AIR5PEED LESS 100 150 200 250 300 350 450 550 625 760 TOTAL MISSION VE AIR5PEED LESS 100 250 250 350 350 460 350	LESS	-1.8 ALT1	-1.0 :	-0.6 2 2 3000n -0.6	-0.2 98 29 16 4	1 38 141 315 27 1 794	13 152 768 80 1741	1 . 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2.2 255 189 107 27 1 461 461	23 123 119 26 4 1	16 61 131 54 6	3 24 46 28 2	17	2			## HOURS 0 + 1
VF AIR5PEED LESS 100 150 200 250 300 350 450 500 550 625 700 TOTAL MISSION VF AIR5PEED LESS 100 250 360 350 360 350 460 450	LESS	-1.8 ALT1	-1.0 :	-0.6 2 2 3000n -0.6	-0.2 98 29 16 4	1 38 141 315 27 1 794	13 152 768 80 1741	1 · 8 1 · 8 90 345 401 53 908	2.2 255 189 107 27 1 461 461	23 123 119 26 4 1	16 61 131 54 6	3 24 46 28 2	17	2			MOURS 0.1 0.3 37.6 32.7 4.1 0.2 0.0 0.0 0.0 71MF HOURS 0.0 0.0 0.0 13.3 31.0
VF AIR5PEED LESS 100 150 200 250 300 350 450 550 625 700 TOTAL MISSION VF AIR5PEED LESS 100 250 360 350 460 450 450 550 60 550 60 550 60 550 60 60 60 60 60 60 60	LESS	-1.8 ALT1	-1.0 :	-0.6 2 2 3000n -0.6	-0.2 98 29 16 4	1 38 141 315 27 1 794	13 152 768 80 1741	1 . 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2.2 255 189 107 27 1 461 461	23 123 119 26 4 1	16 61 131 54 6	3 24 46 28 2	17	2			## HOURS 0 + 1
VF AIR5PEED LESS 100 150 200 250 300 399 400 550 625 700 TOTAL MISSION VF AIR5PEED LESS 100 150 200 250 350 450 350 450 550 550	LESS	-1.8 ALT1	-1.0 :	-0.6 2 2 3000n -0.6	-0.2 98 29 16 4	1 38 141 315 271 277 1 1 794 4 67 239 118 2	13 152 768 80 1741	1 . 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2.2 255 189 107 27 1 461 461	23 123 119 26 4 1	16 61 131 54 6	3 24 46 28 2	17	2			## HOURS 0 + 1

Mission 2 - Formation (Concluded)

+15510%	2	ALTI	TUDE	4000	c											
VF AIRSPEED	LESS	-1.6	-1.0	.0.4	-0.2	0.2	1.4	1.E Z.	2 2.6	3.0	3,6	4.6	5.4	6.6	7.8	TIME HOURS
LESS														-	_	
100 150																0.0
200						2	1									0.1
250						1	1									0.2
300							1									0.0
350 400																
450																
500																
550																
625																
700 TOTAL						3	5									
.0142						,	,									0.3

Mission 3 - Nav & General

4155 ON	3	ALT1	TUDE	LESS													
VE AIRSPEED								N	2E								TIME
	LESS	-1.8	-1.0	_0.6	-0.4	0.2	1.4	1.8	2.2	2.6	3.0	3.6	4.6	5.4	6.6	7.8	HOURS
LESS 100																	0.1
150						10	79	10									1.6
200 250						10	153 25	37 10	1 2	1	2	3					1.1
300						10	11	1	1	ž	i	i					0.2 0.1
350											-						• • • •
400 450																	
500																	
550 625																	
70																	
TOTAL						24	268	5 a	4	4	3	4					3,2
• 15510•.	,	A! T1	TUCE	1000													
	•		.,	1000													
VE AIRSPEED	LES5	-1.9	-1.0	-0.6	-0,2	0.2	, ,		2E			. 02					TIME
LESS	[[3]	-147	-,.0	-0.6	-0,2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.6	HOURS
100																	0.7
150 260					é	97 169	583 346	55 73	6	1							13.2
250					·	36	252	158	13	3	1	1	1				9.9 3.6
300 350						36	127	74	4	4	1	1					0.9
460						2	8										0.1
450						•			1								0.0
500 550																	
625																	
700 TOTAL												_					
TOTAL					6	359	1316	360	31	11	2	2	1				28.3
#15510#.	3	ALT1	TUCE	2000													
	3	ALT1	TUCE	2000				N.	25								TIME
VE AIRSPEED	3 LE55			2000	-0.2	0.2	1,4	1.8	2E 2.2	2,6	3.0	3,8	4.6	5,4	6.6	7.6	T1ME HOURS
VE AIRSPEED							1.4	1.8	2E 2.2	2.6	3.0	3,8	4.6	5,4	6,6	7.6	HOURS
VE AIRSPEED LESS 100 150				.0.6	•0.2 3	252	1692	1.8	2,2			3,8	4.6	5,4	6.6	7.6	HOURS
VE AIRSPEED LESS 100 150 200				-0.6 1	-0.2 3 17	252 1201	1692	232 1065	2.2 16 507	98	17		4,6	5.4	6.6	7.6	0.9 60.7 113.9
VE AIRSPEED LESS 100 150				-0.6	⇒0.2 3 17 85	252 1201 4438	1692 4845 6825	232 1065 2105	16 507 846	98 257	17 79	3,8	4,6	5,4	6.6	7.6	0.9 60.7 113.9
VE AIRSPEED LESS 100 150 200 250 300 350				-0.6 1	-0.2 3 17	252 1201 4438 749 63	1692 4845 6825 2587 104	232 1065 2105 1020	2.2 16 507	98	17		4.6	5.4	6.6	7.6	0.9 60.7 113.9 100.1 17.6 0 7
VE AIR5PEED LESS 100 150 200 250 300 350 400				-0.6	*0.2 3 17 85 23	252 1201 4438 749	1692 4845 6825 2587	232 1065 2105 1020	16 507 846 129	98 257 47	17 79 15	2	4,6	5,4	6.6	7,6	0.9 60.7 113.9 100.1 17.6
VE AIRSPEED LESS 100 150 200 250 300 350				-0.6	*0.2 3 17 85 23	252 1201 4438 749 63	1692 4845 6825 2587 104	232 1065 2105 1020	16 507 846 129	98 257 47	17 79 15	2	4,6	5,4	6,6	7,6	0.9 60.7 113.9 100.1 17.6 0 7
VE AIRSPEED LESS 100 150 200 250 300 350 400 450 500				-0.6	*0.2 3 17 85 23	252 1201 4438 749 63	1692 4845 6825 2587 104	232 1065 2105 1020	16 507 846 129	98 257 47	17 79 15	2	4,6	5,4	6.6	7.6	0.9 60.7 113.9 100.1 17.6 0 7
VE AIRSPEED LESS 100 150 200 250 300 450 450 500 550 625				-0.6	*0.2 3 17 85 23	252 1201 4438 749 63	1692 4845 6825 2587 104	232 1065 2105 1020	16 507 846 129	98 257 47	17 79 15	2	4,6	5,4	6.6	7.6	0.9 60.7 113.9 100.1 17.6 0 7
VE AIRSPEED LESS 100 150 200 250 300 350 400 450 500				-0.6	-0.2 3 17 85 23 6	252 1201 4438 749 63 2	1692 4845 6825 2587 104	232 1065 2105 1020 122	16 507 846 129 28	98 257 47	17 79 15	2	4.6	5,4	6.6	7.6	0.9 60.7 113.9 100.1 17.6 0 7
VE AIR5PEED LESS 100 150 200 250 300 350 400 450 500 550 625 700				1 3 1	-0.2 3 17 85 23 6	252 1201 4438 749 63 2	1692 4845 6825 2587 104 2	232 1065 2105 1020 122	16 507 846 129 28	98 257 47 10	17 79 15 1	2	4.6	5,4	6.6	7.8	0.9 60.7 113.9 100.1 17.6 0 7
VE AIR5PEED LESS 100 150 200 250 300 350 400 450 500 550 625 700		-1.8		1 3 1	-0.2 3 17 85 23 6	252 1201 4438 749 63 2	1692 4845 6825 2587 104 2	232 1065 2105 1020 122	16 507 846 129 28	98 257 47 10	17 79 15 1	2	4.6	5,4	6.6	7.8	0.9 60.7 113.9 100.1 17.6 0.7
VE AIRSPEED LESS 100 150 200 250 300 400 450 500 500 500 700 TOTAL	LESS	-1.8	-1.0	1 3 1	-0.2 3 17 85 23 6	252 1201 4438 749 63 2	1692 4845 6825 2587 104 2	232 1065 2105 1020 122 1	16 507 846 128	98 257 47 10	17 79 15 1	2	4.6	5,4	6.6	7.6	0.9 60.7 113.9 100.1 17.6 0.7 2.0
VE AIRSPEED LESS 100 150 200 250 300 450 450 560 557 700 TCTAL WISCICK	LESS	-1.8	-1.0	-0.6 1 3 1	-0.2 3 17 85 23 6	252 1201 4438 749 63 2	1692 4845 6825 2587 104 2	232 1065 2105 1020 122 1	16 507 846 128	98 257 47 10	17 79 15 1	2 1					HOURS 0.9 60.7 113.9 100.1 17.6 7 0.0
VE AIRSPEED LESS 100 150 200 250 300 400 450 500 500 525 700 TOTAL WISCICA VE AIRSPEED LESS	LESS	-1.8 ALT)	-1.0	1 3 1	-0.2 3 17 85 23 6	2 252 1201 4438 749 63 2	1692 4845 6825 2587 104 2	232 1065 2105 1020 122 1	16 507 846 128	98 257 47 10	17 79 15 1	2	4.6	5,4	6.6	7.8	0.9 60.7 113.9 100.1 17.6 0 7 0.0
VE AIRSPEED LESS 100 150 200 250 300 450 550 625 700 TOTAL VE AIRSPEED LESS 100	LESS	-1.8 ALT)	-1.0	-0.6 1 3 1	-0.2 3 17 85 23 6	2 252 1201 4438 749 63 2	1692 4845 6825 2587 104 2	232 1065 2105 1020 122 1	16 507 846 128	98 257 47 10	17 79 15 1	2 1					0.9 60.7 113.9 100.1 17.6 0 7 2.0
VE AIRSPEED LESS 100 150 200 250 300 350 400 450 500 625 707AL MISSPEED LESS 100 150 200	LESS	-1.8 ALT)	-1.0	-0.6 1 3 1	-0.2 3 17 85 23 6	2 252 1201 4438 749 63 2 6707	1692 4845 6825 2587 104 2 16055	232 1065 2105 1020 122 1	16 507 846 129 28	98 257 47 10 412	17 79 15 1 112 112	2 1					0.9 60.7 113.9 100.1 17.6 0 7 2.0
VE AIRSPEED LESS 100 150 200 250 300 450 450 550 700 TCTAL WISCICA VE AIRSPEED LESS 100 250 250	LESS	-1.6 ALTI	-1.0	-0.6 1 3 1 5 5000	-0.2 3 17 85 23 6	2 252 1201 4438 749 63 2 6707	1692 4845 6825 2587 104 2 16055	1.8 232 1065 2105 1020 122 1 4545	2.2 16 507 846 129 28 1526	98 257 47 10 412 2.6	17779 15 1 1 1 1 1 1 2 2 3 . 0 1 0 1 5 1	3 3.6	4.6				0.9 60.7 113.9 100.1 17.6 0 7 2.0 794.0
VE AIRSPEED LESS 100 150 200 250 300 450 560 557 700 TCTAL WISCICN VE AIRSPEED LESS 100 200 250 350 350	LESS	-1.8 ALT)	-1.0	-0.6 1 3 1	-0.2 3 177 85 23 6	2 252 1201 4438 749 63 2 6707	1692 4845 6825 2587 104 2 16055	232 1065 2105 1020 122 1	2.2 16 507 846 129 28 1526	98 257 47 10 412 2.6	177 79 15 1 112	3					O.9 60.7 113.9 100.1 17.6 0 7 C.0 TIME HOURS 0.5 19.1 65.9 80.4 33.3
VE AIRSPEED LESS 100 150 200 250 300 450 500 550 700 TOTAL WISFICA VE AIRSPEED LESS 100 200 250 300 300 350 400	LESS	-1.6 ALTI	-1.0	-0.6 1 3 1 5 5000	-0.2 3 17 85 23 6	2 252 1201 4438 749 63 2 6707 0.2 194 657 1808 591 84	1692 4845 6825 2587 104 2 16055	1.8 232 1065 2105 1020 122 1 4545	2.2 16 507 846 129 28 1526	98 257 47 10 412 2.6	17779 15 1 1 1 1 1 1 2 2 3 . 0 1 0 1 5 1	3 3.6	4.6				0.9 60.7 113.9 100.1 17.6 0 7 2.0 7 114 E HOURS 0.5 19.1 65.9 80.4 33.3 1.7
VE AIRSPEED LESS 100 150 200 250 300 450 550 625 700 TOTAL WIS-ICN VE AIRSPEED LESS 100 250 250 300 450 450 450 450 450 450 450 450 450	LESS	-1.6 ALTI	-1.0	-0.6 1 3 1 5 5000	-0.2 3 177 85 23 6	2 252 1201 4438 749 63 2 6707	1692 4845 6825 2587 104 2 16055	1.8 232 1065 2105 1020 122 1 4545	2.2 16 507 846 129 28 1526	98 257 47 10 412 2.6	17-79-15-1-1-112-112-112-112-112-112-112-112-	3 3 . 6	4.6				0.9 60.7 113.9 100.1 17.6 0 7 2.0 794.0
VE AIRSPEED LESS 100 150 200 250 300 350 400 550 625 707AL WISCICK VE AIRSPEED LESS 100 250 250 350 400 350 400 550 550	LESS	-1.6 ALTI	-1.0	-0.6 1 3 1 5 5000	-0.2 3 177 85 23 6	2 252 1201 4438 749 63 2 6707 0.2 194 657 1808 591 84	1692 4845 6825 2587 104 2 16055	1.8 232 1065 2105 1020 122 1 4545	2.2 16507 846 129 28 1526	98 257 47 10 412 2.6	17-79-15-1-1-112-112-112-112-112-112-112-112-	3 3 . 6	4.6				0.9 60.7 113.9 100.1 17.6 0 7 2.0 794.0
VE AIRSPEED LESS 100 150 200 250 300 450 450 550 700 TCTAL WISCICK VE AIRSPEED LESS 100 250 350 400 450 550 550 550 550 550 550 550 5	LESS	-1.6 ALTI	-1.0	-0.6 1 3 1 5 5000	-0.2 3 177 85 23 6	2 252 1201 4438 749 63 2 6707 0.2 194 657 1808 591 84	1692 4845 6825 2587 104 2 16055	1.8 232 1065 2105 1020 122 1 4545	2.2 16507 846 129 28 1526	98 257 47 10 412 2.6	17-79-15-1-1-112-112-112-112-112-112-112-112-	3 3 . 6	4.6				0.9 60.7 113.9 100.1 17.6 0 7 2.0 794.0
VE AIRSPEED LESS 100 150 200 250 300 350 400 550 625 707AL WISCICK VE AIRSPEED LESS 100 250 250 350 400 350 400 550 550	LESS	-1.6 ALTI	-1.0	-0.6 1 3 1 5 5000	-0.2 3 17 85 23 6 134	2 252 1201 4438 749 63 3 2 6707 0,2 2 194 657 1808 8 1	1692 4845 6825 2587 104 2 16055	232 1065 2105 2105 1020 122 1 1.8 4545	2.2 16507 846 129 28 1526	98 257 47 10 412 2.6	17-79-15-1-1-112-112-112-112-112-112-112-112-	3 3 . 6	4.6				0.9 60.7 113.9 100.1 17.6 0 7 2.0 794.0

· 15510%	3	ALT1	TOUE	10000													
VE AIRSPEED	1 ESS	-1.8	-1.0	_C.6	-0.2	0.2	1.4	1.8	ZE 2.2	2.6	3.0	3.8	4.6	5.4	6.6	8	TIME HOURS
LESS		- • -	-				-										0.0
100 150						1											0.4
200 250					4	25 251	440	87	14	8	13	1					5.3 35.8
300					;	197	437	194	26 16	14	29	16 28	23	1 2			28.C
350 400				1	4	35	55	35	10	A	25	33	25	7	1		1.7
450 500					1	11	11	10	10	5	15	13	11	6	1		0.4 6.1
550					•				•			-	-				
625 700																	
*0*4_				1	7.6	600	1192	440	79	45	114	94	66	16	,		78.6
*15510%	3	ALTI	TUTE	15000													
VE AIRSPEED									7.				,				TIME
	LESS	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	ZE 2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	HOURS
LE55 100						41	36	3									0.2
150						10	213	3 8	. 8								1.7
200 250		1			18	50 263	224 327	126	16 48	5 48	61	26	•				11.3
300 350				3	12	207	409	210	97 50	93 79	162	98 103	45	9			35.8 10.7
4 00					4	20	20	16	14	33	69	52	50	5			2.3
45 3 5 00				:	1	3	6	3	3	9	20	6	5	3			0.0
550 625																	
700																	
TOTAL		1		5	42	661	1357	533	236	267	486	287	114	21			106.5
*15510N	3	ALT1	TUCE	20000													
	3	ALT1	TUCE	20000				L.	76								7 1MF
VE AIRSPEED		ALT1	TUCE	20000	-0.2	0.2	1,4	N 1.8	ZE 2.2	2.6	3.0	3.8	4.6	5.4	C.6	7.8	71MF HOURS
VE AIRSPEED						1	1.4		ZE 2.2	2.6	3.0	3.8	4.6	5.4	C.6	7.8	HOURS 0.0 0.1
VE AIRSPEED LESS 100 150				-0.6	-0.2 7	1 6 31	7	1 20	2.2	1			4.6	5.4	6.6	7.8	HOUR\$ 0.0 0.1 2.1
VE AIRSPEED LESS 100 150 200 250			-1.0	_0.6	-0.2 7 14	1 8 31 302 1312	7 70 662 3370	1.8 20 304 1618	6 148 853	1 69 426	28 216	2 23			c.6	7.8	HOURS 0.0 0.1 2.1 51.0 209.4
VE AIRSPEED LESS 100 200 200 250 300			-1.0	_0.6	-0.2 7 14 66 64	1 8 31 302 1312 1163	7 70 662 3370 3484	1.8 20 306 1618 1935	6 148 853 844	1	28	2		5.4		7.8	HOURS 0.0 0.1 2.1 51.0
VE AIRSPEED LESS 100 150 200 250 300 300 400			-1.0	_0.6	-0.2 7 14	1 8 31 302 1312	7 70 662 3370	1.8 20 304 1618	6 148 853	1 89 426 415	28 216 296	2 23 57	3 10			7.8	HOURS 0.0 0.1 2.1 51.0 209.4 173.3 19.4 0.5
VE AIRSPEED LESS 100 150 200 250 300 400 450			-1.0	_0.6	-0.2 7 14 66 64	1 8 31 302 1312 1163 153	7 70 662 3370 3484 361	1.8 20 304 1618 1935 263	6 148 853 844 106	1 89 426 415 74	28 216 296 73	2 23 57 24	3 10			7.6	HOURS 0.0 0.1 2.1 51.0 209.4 173.3 19.4
VE AIRSPEED LESS 100 150 200 250 300 300 450 400 450 550			-1.0	_0.6	-0.2 7 14 66 64	1 8 31 302 1312 1163 153	7 70 662 3370 3484 361	1.8 20 304 1618 1935 263	6 148 853 844 106	1 89 426 415 74	28 216 296 73	2 23 57 24	3 10			7.8	HOURS 0.0 0.1 2.1 51.0 209.4 173.3 19.4 0.5
VE AIRSPEED LESS 100 150 200 300 350 400 450 550 625 7(0			-1.0 1 3	_0.6	-0.2 7 14 66 64 11	1 8 31 302 1312 1163 153 8	7 70 662 3370 3484 361 16	1 .8 20 304, 1618 1935 263	6 148 853 844 106 7	1 69 426 415 74 8	28 216 296 73 8	2 23 57 24 2	3 10 3	1	1	7.6	HOURS 0.0 0.1 2.1 51.0 209.4 173.3 19.4 0.5
VE AIRSPEED LESS 100 150 200 250 300 400 450 500 510 625			-1.0	_0.6	-0.2 7 14 66 64	1 8 31 302 1312 1163 153 6	7 70 662 3370 3484 361 16	1.8 20 304 1618 1935 263	6 148 853 844 106 7	1 89 426 415 74	28 216 296 73	2 23 57 24	3 10			7,8	HOURS 0.0 0.1 2.1 51.0 209.4 173.3 19.4 0.5
VE AIRSPEED LESS 100 150 200 300 350 400 450 550 625 7(0		-1.8	-1.0 1 3	_0.6	-0.2 7 14 66 64 11	1 8 31 302 1312 1163 153 6	7 70 662 3370 3484 361 16	1 .8 20 304, 1618 1935 263	6 148 853 844 106 7	1 69 426 415 74 8	28 216 296 73 8	2 23 57 24 2	3 10 3	1	1	7.8	HOURS 0.0 0.1 2.1 51.0 209.4 173.3 19.4 0.5
VE AIRSPEED LESS 100 150 250 350 400 450 500 510 605 710 TOTAL	(E\$5	-1.8 ALT1	-1.0	1 4 5 5 2 12 3 0 0 0 0 0	-0.2 7 14 66 64 11	1 8 31 302 1312 1163 153 8	7 70 662 3370 3484 361 14	1 20 304 1618 1935 263 8	6 148 853 84 106 7	1 89 426 415 74 8	28 216 296 73 8	2 23 57 24 2	3 10 3	1	1		HOURS 0.0 0.1 2.1 51.0 209.4 173.3 19.4 0.5 0.0
VE AIRSPEED LESS 100 150 200 250 300 350 400 450 500 625 707AL WISSION VE AIRSPEED	LESS	-1.8 ALT1	-1.0 1 3	1 4 5 5 2 12 3 0 0 0 0 0	-0.2 7 14 66 64 11	1 8 31 302 1312 1163 153 6	7 70 662 3370 3484 361 16	1 20 304 1618 1935 263 8	6 148 853 844 106 7	1 69 426 415 74 8	28 216 296 73 8	2 23 57 24 2	3 10 3	1	1	7.6	HOURS 0.0 0.1 2.1 51.0 209,4 173,3 19,4 0.5 0.5
VE AIRSPEED LESS 100 150 200 350 400 550 625 700 TOTAL MISSION VE AIRSPEED LESS 100	(E\$5	-1.8 ALT1	-1.0	1 4 5 5 2 12 3 0 0 0 0 0	-0.2 7 14 66 64 11	1 8 312 302 1312 1163 153 8 2978	7 70 662 3370 3484 361 14	1 - 8 1 20 306 1618 1935 263 8	2,2 6 148 853 844 1C6 7	1 69 426 415 74 8	28 216 296 73 8	2 23 57 24 2	3 10 3	1	1		MOURS 0.0 0.1 2.1 51.0 209.4 173.3 19.4 0.5 0.0
VE AIRSPEED LESS 100 150 200 350 360 400 -50 500 510 VE AIRSPEED LESS 100 150 200	(E\$5	-1.8 ALTI -1.8	-1.0	-0.6 1 4 5 2 12 30000 -0.6	-0.2 7 14 66 66 11 162	1 8 31 302 1312 1163 153 8 2978	7 70 662 3370 3484 361 14 7968	1.8 120 304 1618 1935 263 8 4151	2,2 6 148 853 844 1C6 7	1 69 426 415 74 8	28 216 296 73 8 621	2 23 57 24 2 110	18	1 1 5.4	1		HOURS 0.0 0.1 2.1 51.0 209.4 173.3 19.4 0.5 0.0
VE AIRSPEED LESS 100 150 250 350 400 -50 500 510 625 7(0) TOTAL WISSION VE AIRSPEED LESS 100	(E\$5	-1.8 ALTI	-1.0	10.6 14.55.2 12	-0.2 7 14 66 64 11	1 8 31 302 1312 1312 1163 153 8 8 2978	7 70 662 3370 3484 361 14	1.8 200 304 1618 1935 263 8 4151	2,2 6 148 853 844 1C6 7	1 69 4215 74 8	28 216 296 73 8 621	2 23 57 24 2	3 10 3	1 5,4	1		HOURS 0.0 0.1 2.1 51.0 209.4 173.3 19.4 0.5 0.0 455.9 TIME HOURS 0.0 0.0 0.0 0.0 3.3 240.6 81.3
VE AIRSPEED LESS 100 150 200 350 400 550 625 703 TOTAL WISSION VE AIRSPEED LESS 100 150 200 350 300	(E\$5	-1.8 ALTI -1.8	+1.0 1 3	-0.6 1 4 5 2 12 30000 -0.6	-0.2 7 14 66 64 11 162 -0.2	1 8 31 302 1312 1163 153 6 2976	77 70 662 357 3484 361 14 7968	1.8 200 304 1618 1935 263 8 4151	2.2 6 148 853 846 1C6 7	19 426 415 74 8	28 216 296 73 8 621	2 23 57 24 2 110	3 10 3 18	1 1 5.4	1		HOURS 0.0 0.1 2.1 51.0 209.4 173.3 19.4 0.5 0.0 455.9
VE AIRSPEED LESS 100 150 200 350 400 450 500 500 707AL WISSION VE AIRSPEED LESS 100 150 200 250 300	(E\$5	-1.8 ALTI -1.8	+1.0 1 3	-0.6 1 4 5 5 2 12 30000 -0.6	-0.2 7 14 66 64 11 162 -0.2	1 8 31 302 1312 1163 153 6 2978	77 70 662 3370 3484 361 14 7968	1.8 200 304 1618 1935 263 8 4151	2.2 6 148 853 84 1C6 7 1964 22 2.2 13 381 1244 459	19 426 415 74 8 993	28 216 296 73 8 621	2 23 57 24 2 110	3 10 3 18	1 1 5.4	1		HOURS 0.0 0.1 2.1 51.0 209.4 173.3 19.4 0.5 0.0 455.9 TIME HOURS 0.0 0.0 0.0 0.0 3.3 240.6 81.3
VE AIRSPEED LESS 100 150 250 350 400 450 550 625 7(0 TOTAL MISSION VE AIRSPEED LESS 100 250 350 400 450 550 655 100 150 260 360 460 450 550	(E\$5	-1.8 ALTI -1.8	+1.0 1 3	-0.6 1 4 5 5 2 12 30000 -0.6	-0.2 7 14 66 64 11 162 -0.2	1 8 31 302 1312 1163 153 6 2978	77 70 662 3370 3484 361 14 7968	1.8 200 304 1618 1935 263 8 4151	2.2 6 148 853 84 1C6 7 1964 22 2.2 13 381 1244 459	19 426 415 74 8 993	28 216 296 73 8 621	2 23 57 24 2 110	3 10 3 18	1 1 5.4	1		HOURS 0.0 0.1 2.1 51.0 209.4 173.3 19.4 0.5 0.0 455.9 TIME HOURS 0.0 0.0 0.0 3.3 240.6 81.3
VE AIRSPEED LESS 100 150 200 250 300 400 550 625 70TAL WISSION VE AIRSPEED LESS 100 150 200 300 450 500 550 605	(E\$5	-1.8 ALTI -1.8	+1.0 1 3	-0.6 1 4 5 5 2 12 30000 -0.6	-0.2 7 14 66 64 11 162 -0.2	1 8 31 302 1312 1163 153 6 2978	77 70 662 3370 3484 361 14 7968	1.8 200 304 1618 1935 263 8 4151	2.2 6 148 853 84 1C6 7 1964 22 2.2 13 381 1244 459	19 426 415 74 8 993	28 216 296 73 8 621	2 23 57 24 2 110	3 10 3 18	1 1 5.4	1		HOURS 0.0 0.1 2.1 51.0 209.4 173.3 19.4 0.5 0.0 455.9 TIME HOURS 0.0 0.0 0.0 3.3 240.6 81.3
VE AIRSPEED LESS 100 150 200 250 300 400 450 500 707AL WISSION VE AIRSPEED LESS 100 150 200 250 300 350 400 450 550	(E\$5	-1.8 ALTI -1.8	+1.0 1 3	12 30000 -0.6	-0.2 7 14 66 64 11 162	1 1 8 31 302 1163 153 8 2978 2978 5 5 481 1495 631 5 5	7 70 2 3370 3484 361 14 7968 1.4 49 1483 5502 2341 16	1.8 200 304 1618 1935 263 8 4151	2,2 6 148 853 854 867 7 1964 106 7 7 1964 106 8	19 426 415 74 8 993	28 216 296 73 8 621	2 23 57 24 2 110	3 10 3 18	1 1 5.4	1		HOURS 0.0 0.1 2.1 51.0 209.4 173.3 19.4 0.5 0.0 455.9 TIME HOURS 0.0 0.0 0.0 3.3 240.6 81.3

#15510N	3	ALTI	TUDE	▲ 0000	ı												
VE AIRSPEED LESS	LESS	-1.8	-1.0	-0.5	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.0	4,6	5,4	6.6	7.0	TIME HOURS
100 150 200			1		2	22	1 31	1	2	2	2	1					0.9 11.9 8.7
250 300 350 400						2	1	8	2	•	,	•					0.1
450 500 550																	
625 700 TOTAL			1		2	: 4	64	18	6	6	5	1					21.6

Mission 4 - Administrative

*15510%	4	A1 T1	TUCE	LESS													
	4	ALIA	INTE	1500													
VE ATRSPEED	F55	-1.8	-1-0	.0.6	-0.2	0.2	1.4	1.8	ZE 2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIME
LESS		•••				•	•	1.00		- • •		3.0	-,0		•••		
100 150							5	1									0.0
500						1	5	4	1								0.1
250 300							1	2	2		1						0.0
350							•	•	•		•						0.0
400 450																	
500																	
550 625																	
750																	
TOTAL						1	14	8	3		1						0.2
w155104.	4	ALTI	ITUTE	1000													
VE AIREPEED								٧.	ZE								TIME
LESS	LESS	+1.8	-1.0	-0.0	-0.2	0.2	1.4	1.0	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	HOURS
100						1											0.0
150 200						4	22	5	1								1.0
253						1	9	9									0.2
30 ∪ 35 ∋							6	ħ	1								0.1
40€																	
450 500																	
550																	
625 700																	
TOTAL						10	46	24	2								1.9
₹15510%	4	ALTI	TUPE	2000)												
VF 41959EED								N	ZE								T 1MF
VF AIRSPEED		ALT)			-0.2	0.2	1,4	N. 1.8	ZE 2.2	2,6	3.0	3.0	4.6	5.4	6.6	7.8	T IME HOURS
VF AIRSPEED						0.2	1.4	N. 1.8	ZE 2.2	2,6	3.0	3.8	4.6	5.4	6.6	7.8	HOUR S
VF AIRSPEED LESS 100 150						13	110	32	2.2			3.0	4.6	5.4	6.6	7.8	0.1 3.1
VF AIRSPEED LESS 100 150 200 250					-0,2	13 72 261		1.8	ZE 2.2 41 60	2.6 12 23	3,0	3.0	4.6	5.4	6.6	7.8	0.1 3.1 5.3
VF 4195PEED LESS 100 150 200 253 300					-0.2 1 6	13 72 261 52	110 204 436 121	32 60 142 61	2.2 41 68 12	12	3	3.8	4.6	5.4	6.6	7.8	0.1 3.1 5.3 6.8 1.3
VE 4185PEED LESS 100 150 200 250 360 350 400					-0.2 1	13 72 261	110 204 436 121	32 60 142 61	2.2 41 68 12 1	12	3 7	3.8	4.6	5.4	6.6	7.8	0.1 3.1 5.3 6.8 1.3 0.1
VF 4195PEED LESS 150 250 250 350 450					-0.2 1 6	13 72 261 52	110 204 436 121	32 60 142 61	2.2 41 68 12	12	3 7	3.8	4,6	5.4	6.6	7.8	0.1 3.1 5.3 6.8 1.3
VE 4185PEED LESS 100 150 200 250 360 350 400					-0.2 1 6	13 72 261 52	110 204 436 121	32 60 142 61 4	2.2 41 69 12 1	12	3 7	3.0	4.6	5,4	6.6	7.8	0.1 3.1 5.3 6.8 1.3 0.1
VE 4105PEED LESS 150 250 250 300 450 450 550 625					-0.2 1 6	13 72 261 52	110 204 436 121	32 60 142 61 4	2.2 41 69 12 1	12	3 7	3.8	4.6	5.4	6.6	7.8	0.1 3.1 5.3 6.8 1.3 0.1
VE 41RSPEED LESS 100 150 200 250 360 350 400 450 500					-0.2 1 6	13 72 261 52	110 204 436 121	32 60 142 61 4	2.2 41 69 12 1	12	3 7	3.8	4.6	5.4	6.6	7.8	0.1 3.1 5.3 6.8 1.3 0.1
VF 41BSPEED LESS 150 250 250 350 350 450 450 550 625 770					-0.2 1 6 4 2	13 72 261 52 17	110 204 436 121 44	32 60 142 61 4	41 68 12 1	12 23 5	3 7 4	3.8	4.6	5.4	6.6	7.8	0.1 3.1 5.3 6.8 1.3 0.1 0.0
VF 41BSPEED LESS 150 250 250 350 350 450 450 550 625 770		-1.8			-0.2 1 6 4 2	13 72 261 52 17	110 204 436 121 44	32 60 142 61 4	41 68 12 1	12 23 5	3 7 4	3.8	4,6	5.4	6.6	7.8	0.1 3.1 5.3 6.8 1.3 0.1 0.0
VE 410 SPEED LESS 150 250 250 300 450 450 500 550 625 700 TOTAL	LESS	-1.8 ALT:	-1.0	-C.6	-0.2 1 6 4 2	13 72 261 52 17	110 204 436 121 44 1	32 60 142 61 4 1 1	2.2 41 68 12 1 2 1	12 23 5	3 7 6		4.6		6.6	7.8	HOURS 0.1 3.1 5.3 6.8 1.3 0.1 0.0 0.0
VE AIRSPEED LESS 150 250 250 350 400 450 500 550 700 701AL VE ZIRSPEED	LESS	-1.8 ALT:	-1.0	- °.6	-0.2 1 6 4 2	13 72 261 52 17	110 204 436 121 44	32 60 142 61 4 1 1	41 68 12 1 2 1	12 23 5	3 7 4	3.8	4.6	5.4	6.6	7.8	0.1 3.1 5.3 6.8 1.3 0.1 0.0
VE AIRSPEED LESS 100 150 200 250 300 400 450 500 550 625 700 70TAL VI 21RSPEED LESS 100	LESS	-1.8 ALT:	-1.0	-C.6	-0.2 1 6 4 2	13 72 261 52 17	110 204 436 121 44 4 1	32 60 142 61 4 1 1	2.2 41 68 12 1 2 1	12 23 5	3 7 6						HOURS 0-1 3-1 5-3 6-8 1-3 0-1 0-0 0-0
VE 4195PEED LESS 100 150 200 250 350 400 450 550 625 700 1074L MISSION VE 2195PEED LESS 100 150	LESS	-1.8 ALT:	-1.0	-C.6	-0.2 1 6 4 2	13 72 261 52 17	110 204 436 121 44 1	32 60 142 61 4 1 1 301	41 68 12 1 1 125	12 23 5	3 7 6						0.1 3.1 5.3 6.8 1.3 0.1 0.0 0.0
VE 4195PEED LESS 150 270 270 280 350 400 450 500 550 700 7014L VI 2195PEED LESS 100 150 200 250	LESS	-1.8 ALT: -1.8	-1.0	-C.6	-0.2 1 6 4 2	13 72 261 52 17	110 204 436 121 44 4 1	32 60 142 61 4 1 1 301	2.2 41 69 12 1 1 2 1	12 23 5	3,7,4 14	3.8	4.0				0.1 3.1 5.3 6.8 1.3 0.1 0.0 0.0
VE AIDSPEED LESS 100 200 250 300 400 450 500 500 700 TOTAL VI 21PSPEED LESS 100 150 200 250 360 360	LESS	-1.8 ALT:	-1.0	-C.6	-0.2 1 6 4 2	13 72 261 52 17 415	110 204 436 121 44 1 1 920	32 60 142 61 4 1 1 1 1 2 2 4 10 6 10 8	2.2 41 68 12 1 1 2 1 1 2 1 1 2 2 1	12 23 5	3,0	3.8	4.6				0.1 3.1 5.3 6.8 1.3 0.1 0.0 0.0
VE AIRSPEED LESS 100 150 280 380 400 450 500 500 700 TOTAL VI AIRSPEED LESS 100 150 200 250 350 360 400 400 450 450 450 450 450 450 450 45	LESS	-1.8 ALT: -1.8	-1.0	-C.6	-0.2 1 6 4 2	13 72 261 52 17 415	110 204 436 121 44 1 1 920	32 60 142 61 4 1 1 301	2.2 41 68 12 1 2 1 1 25 1 125	12 23 5	3 · 0 3 · 0	3.8 2 7 6 7	4.6				0.1 3.1 5.3 6.8 1.3 0.1 0.0 0.0 16.6
VF 41BSPEED LESS 100 150 250 300 250 350 400 450 500 550 625 7074L *ISSIC*. VF 21BSPEED LESS 100 150 200 250 310 400 451	LESS	-1.8 ALT: -1.8	-1.0	-C.6	-0.2 1 6 4 2	13 72 261 52 17 415	110 204 436 121 44 1 1 920 1.4 25 130 320 182 59 37 44	32 60 142 61 4 1 1 1,e	2,2 41 68 12 1 2 1 1 25 2 2 2 2 2 2 2 2 1 1 2 1 2	12 23 5	3 . 0 3 . 0 3 . 8 7 . 6 3	3.8 2 7 6	4,6				0.1 3-1 5-3 6-8 1-3 0.1 0.0 0.0 16-6
VE AIRSPEED LESS 100 150 200 250 300 400 450 450 500 707AL **ISSIC*. VE AIRSPEED LESS 100 250 300 250 300 451 500 550 550 550 550 550 550 550 550 5	LESS	-1.8 ALT: -1.8	-1.0	-C.6	-0.2 1 6 4 2	13 72 261 52 17 415	110 204 436 121 44 1 1 920	32 60 142 61 4 1 1 301	2.2 41 68 12 1 2 1 1 25 1 1 25 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 1 1	12 23 5	3 · 0 3 · 0	3.8 2 7 6 7	4.6				0.1 3.1 5.3 6.8 1.3 0.1 0.0 0.0 16.6
VE AIRSPEED LESS 100 150 200 250 300 350 400 450 500 625 700 TOTAL *ISSIC*. VE AIRSPEED LESS 100 150 200 250 350 350 400 400 550 550 675	LESS	-1.8 ALT: -1.8	-1.0	-C.6	-0.2 1 6 4 2	13 72 261 52 17 415 0.2 6 6 47 162 69 24 31 3 3	110 204 436 121 44 4 1 1 1 25 130 320 182 59 37 44 10	32 60 142 61 4 1 1,e	2,2 41 68 12 1 2 1 1 25 2 2 2 2 2 2 2 2 1 1 2 1 2	12 23 5 5	3 . 0 3 . 0 3 . 8 7 . 6 3	3.8 2 7 6 7	4.6				0.1 3.1 5.3 6.8 1.3 0.1 0.0 0.0 0.0 16.6
VE AIRSPEED LESS 100 150 200 250 300 400 450 450 500 707AL **ISSIC*. VE AIRSPEED LESS 100 250 300 250 300 451 500 550 550 550 550 550 550 550 550 5	LESS	-1.8 ALT: -1.8	-1.0	-C.6	-0.2 1 6 4 2	13 72 261 52 17 415 0.2 6 6 47 162 69 24 31 3 3	110 204 436 121 44 4 1 1 1 25 130 320 182 59 37 44 10	32 60 142 61 4 1 1,e	2,2 41 68 12 1 2 1 1 25 2 2 2 2 2 2 2 2 1 1 2 1 2	12 23 5 5	3 . 0 3 . 0 3 . 8 7 . 6 3	3.8 2 7 6 7	4.6				0.1 3.1 5.3 6.8 1.3 0.1 0.0 0.0 0.0 16.6

Mission 4 - Administrative (Continued)

* 15510h	4	ALTI	TUDE	10000													
VF ALRSPEED				^ 4	^ 3			N	2E .		• •				GOOK		TIME
LESS	LE55	-1.5	-1.0	-0.6	-0.2	0.2	1.4	1.6	2.2	2.6	3.0	3,6	4.6	5.4	6.6	7.8	HOUR 5
103						13	11	5									0.1
150						13	44	37	18								0.9
200				1	2	18	36	17	13	. 7	3	2.7					2.1
250 300	1	1 2	1	1	1 2	30 31	60	38	16	11	17	19					3.5
350		-	•	•		19	28	23	14		ió	20	15	3			2,5 1,6
400					2	16	20	le	7	5	9	15	14	3			0.7
450					1	16	11	16	5	5	12	7	3				0.4
500				1		3	2	5	3	2	7	4	1				0.1
550 625						1					1	2					0.0
700																	
TOTAL	1	3	2	3	12	160	261	196	95	51	76	76	39	6			12.0
15510N	4	AL T1	TUDE	15000													
	•	AL 1 .	TOLE	13000	,												
VF AIRSPEED		1.00						N	2.2 ZE								TIME
1500	LESS	-1.6	-1.0	-0.6	-0.2	0.2	1.4	1.6	5.5	2.6	3.0	3.6	4.6	5.4	4.6	7.8	HOURS
LESS 100					1	85	26	1									0.3
150					•	24	86	46	6								0.2
200			1		1	. 8	13	11	10		1						1.4
250		2			2	11	13	7	7	5	4	4	1				2.4
300 350		1	2	1	1	7	15	. 9	7	16	13	16	•	3			1.8
400		1			2	16	17	12	11	8	14	11	9	1			0.9
450		•			•	. 6	11	6	3	ī	2	i	í	•			0.5
500								·	-	-	-	-	•				0.0
550																	0.0
625 7: 0																	
TOTAL		5	3	1	10	171	202	102	49	28	39	40	23	6			8.1
15510	4	ALTI	TUEE	20000													
VE IIMERELD				_				N	ZE								TIME
	L = 5 S	-1.8	-1 .C	-0.6	-7.2	0.2	1.4	1.6	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	HOURS
LESS 1(0					6	319	60	4									0.0
150					10	121	226	81	10								0.6
200		1	1	1	1	23	44	44	20	5	1						3.9
750		6	3	2	3	41	8.6	52	32	19	12	2	1				9.3
300 350	1	7	2		3	37	66	40	24	21	16	7	2	2			7.7
400		1	•		2	15	25	19	5	6	10	3	1				1.9
450					•	•	u	•			•						0.2
500																	•••
550																	
625 700																	
TOTAL	1	15	7	3	26	557	513	243	91	51	42	12	4	2			24.5
#15510N	4	ALTI	TUDE	10000)												
VF AIRSPEED								. 4	žE _								TIME
LF55	(ESS	-1.8	-1.0	_0.6	-0.2	0.2	1.4	1 . P	2.2	2.6	3.0	3.0	4.6	5.4	6.6	7.8	HOUR S
165					1	21	3	1									0.0
157					•	27	13	11	1								0.1
260		3	3	1	4	53	44	27	8	3	3						4.5
250	1	8	2	3	6	36	74	51	23	13	12	1	1				12.0
300 350	1	2	2	1	2	20	33	27	27	15	25 23	3	2	1			3.5
4(0							1	1	2	11	4.5	ì		1			0.3
450							•	,	•		1	•					0.0
500											-						
551																	
625 7(1)																	
TO TAL	2	13	7	5	13	165	172	124	70	42	64	9	3	2			20.6

Mission 4 - Administrative (Concluded)

. 12:10-		ALT1	TUFE	- ncc5													
VE #195PEED	LESS	-1.8	-1. 0	-0.0	-J.2	0.2	1.4	1.5	?£ ?.2	7.6	3.0	3.8	4.6	5.4	6.6	7.8	TIFF HOURS
1555 100 150 200 250 300 350		4 3	2 2	2	2 1 1	25 25 16	3 17 11 6	1 14 18 11	1 5 15 8	1 2 3	1	1 1 1					0.0 0.2 3.5 2.9 0.2 0.0
403 453 500 550 625 700 Total		8	4	3	4	70	37	44	29	6	ì	3					6.8
4 15510h	4	ALTI	TUDE	50000													
VF AIRSPEED		_		±0.5		0.2	1.4	N2	E 2.2	2,6	3.0	3,8	4.6	5.4	6.6	7.8	TIME HOURS
VF AIRSPEED		_				0.2	1.4	1.8	?E 2.2	2,6	3,0	3,8	4.6	5.4	6.6	7.8	71ME HOURS
VF 41R5PEED LESS 100 150 200 250 360		_				0.2	1,4	N2	?E 2,2	2,6	3.0	3,8	4,6	5,4	6,6	7.8	HOURS 0.0

b. T-38 LTF

Mission 1 - Training

+ 1551CF	1	ALT1	TUDE	LESS													
VE AIRSPEED	LESS	-1.8	-1.0	-0.6	-0.2	0.2	1,4	N2 1.8	£ 2.2	2.6	3.0	3,8	4.6	5,4	6.6	7.8	TIME HOURS
LESS 100 150 200						30 104	136 67	18	1 4	5							0.0 2.3 3.6
250 300						25	57 9	32	3	í	1						0.8
350 400 450																	
500 550 62 5																	
700 TOTAL						1:1	269	68	17	6	7						6.9
M15510N	1	ALTI	TUCE	1000													
VE AIRSPEED								N:	2E								TIME
LESS 100	LESS	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	HOURS 0.0
150 200					3 1	54 123	229 138	48 148	3 94	1	1						4.0
250 300					9	634	529	466	287	77	19						7.4 13.1
350 400					,	41	62	30	8	5	6						G.5
500																	
550 625																	
700 TOTAL		•			16	852	958	692	392	102	28						25.1
																	•
MI5510N		A1 T1	TUDE	2000	,												
	1			• • • •	'												
VE AIR PEED						0.2	1.4	N 1 - R	2E 2 . 2	2.6	3.0	3.8	4.6	5.4	6. 5	7.0	TIME
LESS	LESS	-1.8		_0.6	-0.2	0.2	1.4	N 1.8	2.2	2,6	3,0	3.8	4.6	5.4	£ ,5	7.8	HOURS
LESS 100 150					-0.2	23	177	29				3.8	4.6	5.4	£ ,5	7.8	0.0
LESS 100 150 200				.0.6	-0.2 1 2	23 147	177 216	29 154	93	18	1		4.6	5.4	£.5	7.8	0.0 2.4 6.5
LESS 100 150 200 250 300				.0.6	-0.2	23 147 655 103	177 216 679 126	29	93 240 14			1	4.6	5.4	# .5	7.8	0.0 2.4 6.5 13.5 1.8
LESS 100 150 200 250 300 350 400				.0.6	-0.2 1 2 13	1 23 147 655 103	177 216 679 126 3	29 154 357	93 240	18	1		4.6	5.4	£ ,5	7.8	0.0 2.4 6.5 13.5 1.8 0.1
LESS 100 190 200 250 300 350 400				.0.6	-0.2 1 2 13	23 147 655 103	177 216 679 126	29 154 357 49	93 240 14	18	1	1	4.6	5.4	* ,5	7.8	0.0 2.4 6.5 13.5 1.8
LESS 100 150 200 250 300 350 400 450 500				.0.6	-0.2 1 2 13	1 23 147 655 103	177 216 679 126 3	29 154 357 49	93 240 14	18	1	1	4.6	5.4	# .5	7.8	0.0 2.4 6.5 13.5 1.8 0.1
LESS 100 200 250 300 350 400 450 500 550 625 700				±0.6	-0.2 1 2 13 1	1 23 147 655 103 4	177 216 679 126 3 1	29 154 357 49	93 240 14 1	18 59 3	1 16 2	1	4.6	5.4	4 .5	7.8	0.0 2.4 6.5 13.5 1.8 0.1 0.0
LESS 100 150 200 250 300 350 400 450 500 550				.0.6	-0.2 1 2 13	1 23 147 655 103	177 216 679 126 3	29 154 357 49	93 240 14	18	1	1	4.6	5.4	£.5	7.8	0.0 2.4 6.5 13.5 1.8 0.1
LESS 100 200 250 300 350 400 450 500 550 625 700		-1.8		±0.6	-0.2 1 2 13 1	1 23 147 655 103 4	177 216 679 126 3 1	29 154 357 49	93 240 14 1	18 59 3	1 16 2	1	4.6	5.4	£.3	7.8	0.0 2.4 6.5 13.5 1.8 0.1 0.0
LESS 100 150 200 250 300 350 400 450 500 525 700	LE55	-1.8 ALT	-1.0	1 5000	-0.2 1 2 13 1	1 23 147 655 103 4 1	177 216 679 126 3 1 2	29 156 357 49 2	93 240 14 1	18 59 3	19	1 1					HOURS 0.0 2.4 6.5 13.5 1.8 0.1 0.0 0.0 24.4
LESS 100 150 200 250 300 350 400 450 500 550 625 700 TOTAL MISSION VE AIRSPEED LESS	LESS	-1.8 ALT	-1.0	1	-0.2 1 2 13 1	1 23 147 655 103 4	177 216 679 126 3 1	29 154 357 49 2	93 240 14 1	18 59 3	1 16 2	1	4.6	5.4	6.6	7.8	HOURS 0.0 2.4 6.5 13.5 1.8 0.1 0.0 0.0
LESS 100 150 200 250 300 350 400 450 500 550 625 700 TOTAL MISSION VE AIRSPEED LESS 100 150	LE55	-1.8 ALT	-1.0	1 5000	-0.2 1 2 13 1	23 147 655 103 4 1	177 216 679 126 3 1 2	29 154 357 49 2 591	93 240 14 1 348	18 59 3	19	1 1					0.0 2.4 6.5 13.5 1.0 0.1 0.0 0.0 24.4
LESS 100 200 250 300 350 400 450 500 625 701AL M1SSION VE AIRSPEED LESS 100 200 250	LE55	-1.8 ALT	-1.0	1 5000	-0.2 1 2 13 1	23 147 655 103 4 1	177 216 679 126 3 1 2 1204	29 154 357 49 2 591	93 240 14 1	18 59 3	19 3.0	1 1 2	4.6				0.0 2.4 6.5 13.5 1.0 0.1 0.0 0.0 24.4 TIME HOURS
LESS 100 150 200 250 350 400 450 500 500 TOTAL MISSION VE AIRSPEED LESS 100 150 250 250 300	LE55	-1.8 ALT	-1.0	1 5000	-0.2 1 2 13 1	23 147 655 103 4 1	177 216 679 126 3 1 2 1204	29 154 357 49 2 591 1.8	93 240 14 1 348	18 59 3	19 3.0	2	4.6	5,4			O.0 2.4 6.5 13.5 1.0 0.1 0.0 0.0 24.4 TIME HOURS
LESS 100 150 200 250 300 350 400 450 500 550 625 700 TOTAL MISSION VE AIRSPEED LESS 100 200 250 350 350 400 400	LE55	-1.8 ALT	-1.0	1 5000	-0.2 1 2 13 1 17	23 147 655 103 4 1 934	177 216 679 126 3 1 2 1204	29 154 357 49 2 591 1.8	93 240 14 1 348 26 2.2	18 59 3 80 2.6	1 16 2 19	1 1 2 3.8	4.6	5,4			0.0 2.4 6.5 13.5 1.0 0.1 0.0 0.0 24.4 TIME HOURS
LESS 100 150 200 250 300 350 400 450 500 550 625 700 TOTAL WISSION VE AIRSPEED LESS 100 250 200 350 450 450 550 625 700 TOTAL	LE55	-1.8 ALT	-1.0	1 5000	-0.2 1 2 13 1 17	23 147 655 103 4 1 934	177 216 679 126 3 1 2 1204	29 154 357 49 2 591 1.8	93 240 14 1 348	18 59 3	1 16 2 19	1 1 2 3.8	4.6	5,4			O.0 2.4 6.5 13.5 1.0 0.1 0.0 0.0 24.4 TIME HOURS
LESS 100 150 200 250 350 350 400 450 500 TOTAL MISSION VE AIRSPEED LESS 100 150 250 250 300 350 400 450 550	LE55	-1.8 ALT	-1.0	1	-0.2 1 2 13 1 17	1 23 147 655 103 4 1 1 934	177 216 679 126 3 1 2 1204	29 1564 357 49 2 591 1.8	93 240 14 1 348 26 2.2	18 59 3 80 80 2.6 3 3 4 1 1 1	1 16 2 19	1 1 2 3.8	2 2 2 5 3 3	5,4			O.0 2.4 6.5 13.5 1.0 0.1 0.0 24.4 TIME HOURS
LESS 100 150 200 250 300 350 400 450 500 550 625 700 TOTAL WISSION VE AIRSPEED LESS 100 250 200 350 450 450 550 625 700 TOTAL	LE55	-1.8 ALT	-1.0	1	-0.2 1 2 13 1 17	1 23 147 655 103 4 1 1 934	177 216 679 126 3 1 2 1204	29 1564 357 49 2 591 1.8	93 240 14 1 348 26 2.2	18 59 3 80 80 2.6 3 3 4 1 1 1	1 16 2 19	1 1 2 3.8	2 2 2 5 3 3	5,4			O.0 2.4 6.5 13.5 1.0 0.1 0.0 24.4 TIME HOURS

Mission 1 - Training (Continued)

~15510A	1	ALT1	TUCE	10000													
VE AIRSPEED								N.	ZE								TIME
LESS	LESS	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3,8	4.6	5.4	4.6	7.8	HOURS
100				1		6	27	•-									0.1
150 200					1	9	75 9	25 9	1 8	5	4	1					0.6
250				1	3	47	82	46	18	21	26	13					1.2
300					3	46	57	30	28	23	43	40	39	3			6.6
350		1			6	50	30	30	23	20	44	47	43	18	1		2.0
400 450					3	1s 11	9	16	15	15 11	28 12	42 10	38	15	3 2		1.2
500					•	i	3	,	•	i	1	3	ž	6	-		0.4
550						•	•			•	•	ī	•				***
625																	
700 Total						143	2-2		101		150	157	120	47			
10126		1		2	17	162	293	161	101	\$5	.,,	177	139	•,	6		15.9
M15510r.	ı	ALTI	TUDE	15000													
VE AIRSPEED	•							a.	2E								TIME
AT MEKALTER	LESS	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	HOURS
LESS			•••					•••		- • •					•••	1.00	0.0
100						148	17	1									0.3
150 200					7	54 57	169	69	41	.1							2.3
250			1		ě	63	108	87 96	66	17	18	2 29	14	3			3.7
300		1	•			69	109	82	58	54 47	85	72	62	13			8.2
350		1		3	3	28	27	27	26	25	61	52	31	10			2.3
400				1	1	13	13	11		8	23	26	24	7			0.6
450 500					1	5	5	3	1	2	9	5	3				0.1 0.0
550											,						0.0
625																	
700					•		-0-										
TOTAL		2	1	4	34	437	509	376	205	154	277	186	134	33			24.9
MIS510A		ALTI	TUOE	20000													
	1	ALT1	TUOE	20000	ı				•-								
MISSION. VE AIRSPEED						0.2	1.4		7E 2.2	2.4	3.0	3.4	4.4	5.4	4.4	, .	TIME
VE AIRSPEED	1 LFSS	ALT1		20000	-0 2	0.2	1.4	N 1.8	7E 2.2	2.6	3.0	3,8	4.6	5.4	6.6	7.8	HOURS
VE AIRSPEED LESS				-0.6 1	-0 2 3	19	2	1.8	2.2	2.6	3.0	3,8	4.6	5.4	6.6	7.8	0.0 0.1
VE AIRSPEED LESS 100 150				-0.6	-0 2 3	19 36	2	1.8	2.2				4.6	5,4	6.6	7.8	0.0 0.1 0.7
VE AIRSPEED LESS 100 150 200		-1.8		-0.6 1 1	-0 2 3 9	19 36 86	31 87	7 73	3 43	13	3	2		5.4	6.6	7.8	HOURS 0.0 0.1 0.7 5.2
VE AIRSPEED LESS 100 150 200 250 300				-0.6 1 1	-0 2 3 9 17 10	19 36 86 180	2 31 87 355	7 73 194	2.2 3 43 104	13 51	3 37	2 13	3	5.4	6.6	7.8	HOURS 0.0 0.1 0.7 5.2 18.0
VE AIRSPEED LESS 100 150 200 250 300 350		-1.8		-0.6 1 1	-0 2 3 9	19 36 86 180 127 19	2 31 87 355 322 33	7 73	3 43 104 93 13	13	3 37 67 29	2 13 19		5.4	6.6	7.8	HOURS 0.0 0.1 0.7 5.2 18.0 15.5
VE AIRSPEED LESS 100 150 200 250 300 350 400		-1.8		-0.6 1 1	-0 2 3 9 17 10	19 36 86 180 127	2 31 87 355 322	7 73 194 161	2.2 3 43 104 93	13 51 55	3 37 67	2 13 19	3 6	5,4	4.6	7.8	HOURS 0.0 0.1 0.7 5.2 18.0 15.5 1.8 0.1
VE AIRSPEED LESS 100 150 200 250 300 350 400 450		-1.8		-0.6 1 1	-0 2 3 9 17 10	19 36 86 180 127 19	2 31 87 355 322 33	7 73 194 161	3 43 104 93 13	13 51 55	3 37 67 29	2 13 19	3 6	5,4	6.6	7.8	HOURS 0.0 0.1 0.7 5.2 18.0 15.5
VE AIRSPEED LESS 100 150 200 250 300 350 400 450 500 550		-1.8		-0.6 1 1	-0 2 3 9 17 10	19 36 86 180 127 19	2 31 87 355 322 33	7 73 194 161	3 43 104 93 13	13 51 55	3 37 67 29	2 13 19	3 6	5.4	6.6	7.8	HOURS 0.0 0.1 0.7 5.2 18.0 15.5 1.8 0.1
VE AIRSPEED LESS 100 150 200 250 300 350 400 450 500 500		-1.8		-0.6 1 1	-0 2 3 9 17 10	19 36 86 180 127 19	2 31 87 355 322 33	7 73 194 161	3 43 104 93 13	13 51 55	3 37 67 29	2 13 19	3 6	5.4	6.6	7.8	HOURS 0.0 0.1 0.7 5.2 18.0 15.5 1.8 0.1
VE AIRSPEED LESS 100 150 200 250 300 350 400 450 500 590 625 700		-1.8		-0.6 1 1 3 2 1	-0 2 3 9 17 10 6 2	19 36 86 180 127 19 2	2 31 87 355 322 33 2	7 73 194 161 20	3 43 104 93 13	13 51 55 14	3 37 67 29 3	2 13 19 9 2	3 6 1	5.4	6.6	7.8	HOURS 0.0 0.1 0.7 5.2 18.0 15.5 1.8 0.1
VE AIRSPEED LESS 100 150 200 250 300 350 400 450 500 500		-1.8		-0.6 1 1	-0 2 3 9 17 10	19 36 86 180 127 19	2 31 87 355 322 33	7 73 194 161	3 43 104 93 13	13 51 55	3 37 67 29	2 13 19	3 6	5.4	6.6	7.8	HOURS 0.0 0.1 0.7 5.2 18.0 15.5 1.8 0.1
VE AIRSPEED LESS 100 150 200 250 300 350 400 450 500 590 625 700	LFSS	1	-1.0	-0.6 1 1 3 2 1	-0 2 3 9 17 10 6 2	19 36 86 180 127 19 2	2 31 87 355 322 33 2	7 73 194 161 20	3 43 104 93 13	13 51 55 14	3 37 67 29 3	2 13 19 9 2	3 6 1	5.4	6.6	7.8	HOURS 0.0 0.1 0.7 5.2 18.0 15.5 1.8 0.1
VE AIRSPEED LESS 100 150 200 250 300 350 400 450 500 625 700 TOTAL		1		-0.6 1 1 3 2 1	-0 2 3 9 17 10 6 2	19 36 86 180 127 19 2	2 31 87 355 322 33 2	7 73 194 161 20	3 43 104 93 13 1	13 51 55 14	3 37 67 29 3	2 13 19 9 2	3 6 1	5.4	6.0	7.8	HOURS 0.0 0.1 0.7 5.2 18.0 15.5 1.0 0.1 5.0
VE AIRSPEED LESS 100 150 200 250 300 350 400 450 500 550 625 700 TOTAL M155ION	LFSS	1	-1.0	-0.6 1 1 3 2 1	-0 2 3 9 17 10 6 2	19 36 86 180 127 19 2	2 31 87 355 322 33 2	7 73 194 161 20	3 43 104 93 13	13 51 55 14	3 37 67 29 3	2 13 19 9 2	3 6 1	5.4	6.6	7.8	HOURS 0.0 0.1 0.7 5.2 18.0 15.5 1.8 0.1
VE AIRSPEED LESS 100 150 200 250 300 350 400 450 500 500 700 TOTAL MISSION VE AIRSPEED	LFSS	-1.8 1	-1.0 TUDE	-0.6 1 1 3 2 1	-0 2 3 9 17 10 6 2	19 36 86 180 127 19 2	2 31 87 355 322 33 2	7 73 194 161 20	2.2 3 43 104 93 13 1	13 51 55 14	3 37 67 29 3	2 13 19 9 2	3 6 1				HOURS 0.0 0.1 0.7 5.2 18.0 15.5 1.8 0.1 5.0
VE AIRSPEED LESS 100 150 200 250 300 350 400 450 500 625 700 TOTAL MISSION VE AIRSPEED LESS 100	LFSS	-1.8 1	-1.0 TUDE	-0.6 1 1 3 2 1	-0 2 3 9 17 10 6 2	19 36 86 180 127 19 2	2 31 87 355 322 33 2	7 73 194 161 20 455	2.2 3 43 104 93 13 1	13 51 55 14	3 37 67 29 3	2 13 19 9 2	3 6 1				HOURS 0.0 0.1 0.7 5.2 18.0 15.5 1.8 0.1 2.0
VE AIRSPEED LESS 100 150 200 250 300 350 400 450 500 500 500 TOTAL MISSION VE AIRSPEED LESS 100 150 200	LFSS	-1.8 1	-1.0 TUDE	-0.6 1 1 3 2 1	-0 2 3 9 17 10 6 2	19 36 86 180 127 19 2	2 31 87 352 33 2 832	1.8 77 73 194 161 20 455	2.2 3 43 104 93 13 1 257	13 51 55 14	3 37 67 29 3	2 13 19 9 2	3 6 1				HOURS 0.01 0.1 5.2 18.0 15.5 1.0 0.1 5.0
VE AIRSPEED LESS 100 150 200 250 300 350 400 450 500 550 625 700 TOTAL WISSION VE AIRSPEED LESS 100 200 250	LFSS	-1.8 1	-1.0 TUDE	-0.6 1 1 3 2 1	-0 2 3 9 17 10 6 2 47	19 36 86 180 127 19 2	2 31 87 355 322 33 2 832	1.8 73 194 161 20 455	2.2 3 43 104 93 13 1 257	13 51 55 14 133	3 37 67 29 3	2 13 19 9 2	10				HOURS 0.0 0.1 0.7 5.2 18.0 15.5 1.8 0.1 0.1 5.0 41.4
VE AIRSPEED LESS 100 150 200 250 300 450 500 550 625 700 TOTAL MISSION VE AIRSPEED LESS 100 150 200 250 300	LFSS	-1.8 1	-1.0 TUDE	-0.6 1 1 3 2 1	-0 2 3 9 17 10 6 2	19 36 86 180 127 19 2	2 31 87 355 322 33 2 832	1.8 77 73 194 161 20 455	2.2 3 43 104 93 13 1 257	13 51 55 14	3 37 67 29 3	2 13 19 9 2 45	3 6 1				HOURS 0.0 0.1 0.7 5.2 18.0 15.5 1.8 0.1 5.0 41.4
VE AIRSPEED LESS 100 150 200 250 300 350 400 650 500 625 700 TOTAL MISSION VE AIRSPEED LESS 100 150 200 250 300 350	LFSS	-1.8 1	-1.0 TUDE	-0.6 1 1 3 2 1	-0 2 3 9 17 10 6 2 47	19 36 86 180 127 19 2	2 31 87 355 322 33 2 832	1.8 73 194 161 20 455	2.2 3 43 104 93 13 1 257	13 51 55 14 133	3 37 67 29 3	2 13 19 9 2	10				HOURS 0.0 0.1 0.7 5.2 18.0 15.5 1.8 0.1 2.0 41.4 TIME HOURS 0.1 1.2 0.2 0.2 0.2 0.2 0.2 0.2 0.3
VE AIRSPEED LESS 100 150 200 250 300 350 400 625 700 TOTAL MISSION VE AIRSPEED LESS 150 250 250 300 350 400 400 450	LFSS	-1.8 1	-1.0 TUDE	-0.6 1 1 3 2 1	-0 2 3 9 17 10 6 2 47	19 36 86 180 127 19 2	2 31 87 355 322 33 2 832	1.8 73 194 161 20 455	2.2 3 43 104 93 13 1 257	13 51 55 14 133	3 37 67 29 3	2 13 19 9 2 45	10				HOURS 0.0 0.1 0.7 5.2 18.0 15.5 1.8 0.1 5.0 41.4
VE AIRSPEED LESS 100 150 200 250 300 350 400 450 500 TOTAL MISSION VE AIRSPEED LESS 100 200 250 300 350 400 450 500 500 500 625 700 625 700 625 700 625 700 625 700 625 700 625 700 625 700 625 700 625 700 625 626 626 626 626 626 626 626 626 626	LFSS	-1.8 1	-1.0 TUDE	-0.6 1 1 3 2 1	-0 2 3 9 17 10 6 2 47	19 36 86 180 127 19 2	2 31 87 355 322 33 2 832	1.8 73 194 161 20 455	2.2 3 43 104 93 13 1 257	13 51 55 14 133	3 37 67 29 3	2 13 19 9 2 45	10				HOURS 0.0 0.1 0.7 5.2 18.0 15.9 1.8 0.1 2.0 41.4 TIME HOURS 0.0 0.1 1.2 0.0 0.1 0.0 0.1 0.0 0.1 0.0 0.1 0.0 0.0
VE AIRSPEED LESS 100 150 200 250 300 450 500 550 625 700 TOTAL MISSION VE AIRSPEED LESS 100 150 200 250 350 400 450 550	LFSS	-1.8 1	-1.0 TUDE	-0.6 1 1 3 2 1	-0 2 3 9 17 10 6 2 47	19 36 86 180 127 19 2	2 31 87 355 322 33 2 832	1.8 73 194 161 20 455	2.2 3 43 104 93 13 1 257	13 51 55 14 133	3 37 67 29 3	2 13 19 9 2 45	10				HOURS 0.0 0.1 0.7 5.2 18.0 15.5 1.8 0.1 2.0 41.4 TIME HOURS 0.1 1.2 0.2 0.2 0.2 0.2 0.2 0.2 0.3
VE AIRSPEED LESS 100 150 200 250 300 350 400 450 500 507 TOTAL MISSION VE AIRSPEED LESS 100 200 250 300 400 450 500 500 500 625 700 700 700 700 700 700 700 700 700 70	LFSS	-1.8 1	-1.0 TUDE	-0.6 1 1 3 2 1	-0 2 3 9 17 10 6 2 47	19 36 86 180 127 19 2	2 31 87 355 322 33 2 832	1.8 73 194 161 20 455	2.2 3 43 104 93 13 1 257	13 51 55 14 133	3 37 67 29 3	2 13 19 9 2 45	10				HOURS 0.0 0.1 0.7 5.2 18.0 15.5 1.8 0.1 2.0 41.4 TIME HOURS 0.1 1.2 0.2 0.2 0.2 0.2 0.2 0.2 0.3
VE AIRSPEED LESS 100 150 200 250 300 450 500 550 625 700 TOTAL MISSION VE AIRSPEED LESS 100 150 200 250 350 400 450 550	LFSS	-1.8 1	-1.0 TUDE	-0.6 1 1 3 2 1	-0 2 3 9 17 10 6 2 47	19 36 86 180 127 19 2	2 31 87 355 322 33 2 832	1.8 73 194 161 20 455	2.2 3 43 104 93 13 1 257	13 51 55 14 133	3 37 67 29 3	2 13 19 9 2 45	10				HOURS 0.0 0.1 0.7 5.2 18.0 15.5 1.8 0.1 2.0 41.4 TIME HOURS 0.1 1.2 0.2 0.2 0.2 0.2 0.2 0.2 0.3

Mission 1 - Training (Concluded)

*15510%	1	ALTI	TUCE	40000	,											
VE AIRSPEED	LESS	-1.8	-1 0	-0.6	-0.2	0.2	1.4	1.8 2.2	2 6	3.0		4.6	5,4	6.6	7.8	TIME
LESS		0						***	0	3.0	3.0	0	,,,	0.0		HUUKS
100																
150																0.0
200						3	1			1	1					0.1
250						3	ī			•	-					0.1
300						1	i									0.0
350																
400																
450																
500																
550																
625																
700							_									
TOTAL						8	3			1	1					0.3

Mission 2 - Formation

*15510r.	2	ALT1TUE	E 10	100												
VE AIRSPEED																
LESS 100	LESS.	-1.8 -1	.0 .0.	6 -0.2	0.2	1.4	1.0	2.2	2,6	3.0	3.0	4.6	5,4	6.6	7,8	TIME HOURS
150 200					3		2									
250 300					1	3										0.1
350						1										0.0
400 450																•••
500																
550 625																
700 TOTAL					4	8	2									
																0.2
MISSICA.	,	ALTITUD	E 200	oc												
VF AIRSPELD							N	ZE								
LESS 100	LESS	-1.8 -1	•0 •0•6	-0.2	0,2	1.4	1.8	2,2	2.6	3.0	3,0	4.6	5.4	6.6	7.8	T1MF HOURS
150 200					1	2 31										
250					1 10 14	31 30	5	1	2							0.2
300 350					4	13	6 3	3	1							0.4
400 450							1									0.0
> 00																
550 625																
700 TOTAL																
					29	76	15	7	3							1.4
M15510+.	2	ALTITUDE	500	0												
VE AIRSPELD							4.5									
LESS	LE55	-1.8 -1.	0 -0.6	-0.2	0.2	1.4	1.8	E 2,2	2.6	3.0	3.6	4.6	5.4	6.6	7.8	T1MF HOURS
100														-	. • -	
200					1	2										0.2
250 300					3	12	2									0.2
350 400					•	•	1									0.1
450 500																
550																
625 700																
TOTAL					5	24	3									
																0.7
M15510K	2	ALTITUDE	10000)												
VE AIRSPEED	LESS	-11 (0 -			NZI	Ε								
LESS	6500	-1.8 -1.0	-0.6	- 0.2	0.2	1,4	1.8	2.2	2.6	3,0	3,8	4.6	5.4	6.6	7.8	TIME HOURS
100 150																
200 250																
300					4	3										0.0
350 400																0.0
450 500																0.0
550																
625 700																
TOTAL					4	3										
																0.1

Mission 2 - Formation (Concluded)

#15510A	2	ALTI	LTUDE	15000													TIME
VF AIRSPEED	LE\$5	-1.8	-1.0	_C.6	-0.2	0.2	1.4	N2 1 • 8	Z.2	2.6	3.0	3.8	4.5	5.4	6.6	7.8	HOURS
LESS																	
100 150																	0.0
200																	0.1
250						3	2										0.1
300						,	-		1								0.0
350 400																	
450																	
500																	
550																	
625																	0.2
700 TOTAL						5	2		1								
10146																	
#15510N	7	ALT	ITUDE	>0000	0												
									ZE						6.6	7.8	TIMF HOURS
VE AIRSPEED		-1.8	-1.0	-0.6	-0.2	0.2	1.4	1 . 8	2.2	2.6	3.0	3.8	4.6	5.4	0.0		HOOKS
LESS	[63)																
100																	0.0
150							1		1								0.6
200						3	7	3	2	1							0.5
250 300						3 4 2	6	3 4 1	4	1	2						0.1
350						2	1	1			•						
400																	
450																	
500 550																	
625																	
703						9	15	8	7	2	3						1.3
TOTAL						У	15										
#15510N	2	AL	TITUCE	3000	00												
VE AIRSPEED									NZE	2.5	3,0	٥.8	4.6	5.4	6.6	7.8	TIME HOURS
VE #143. CES	LES	5 -1.	8 -1.	0 .0.	6 -0.2	0.2	1.4	1.6	2.2	2.5	, 3,0	3.6	4.0	,,,	0.0		
LESS																	
100																	0.0
150 200						1	2 2	7	1								0.2
250							2										0.1
300							2	. 1									
350																	
400 450																	
500																	
550																	
625																	0.4
710 JATOT						1	. 5	3 1	8	1							0.4
1015																	

Mission 3 - Nav & General

FISSION	3	ALTI	TUDE	LESS													
AL TESPEED				•		0.2		N.	ZE		3.0			-		-	TIME HOURS
E55	[633	-1.8	-1.0	•0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3, 8	4.6	5.4	6.6	7.8	0.0
103 150 200					1	13	62	13	2								2.4
250 300					2	40	37	19	5 2								0.9
350 400						·		,	•								7
450 500																	
550 625																	
700 TOTAL					3	87	131	-8	10								4.4
					,	•		-6									• • • •
►15510N	3	ALT1	TUDE	1000)												
VE AIRSPEED	ı F\$5	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6				TIME
LE55 160	(-011	•••	•••	***	•••	***	3.0	3.6	7,0	5.4	6.6	7.8	HOURS
150				1		43 87	71	11 52	34	1	1						4.3
250 300					2	225	116 175 23	68 14	20	3	ž						5.3
350 400						1	3	•	•								0.0
450 500																	
550 625																	
700 Total				1	3	375	388	145	58	10	3						14.4
¥155104	1.1	ALTI	TUDE	2000													
VE AIRSPEED	LESS	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	2E	2.6	3.0	3.0	4.6	5.4	6.6	7.8	TIME HOURS
LESS 100					_		-		-				_			•	0.0
150 200				1	3	31 130	141 311	48	10	2	2						5.3 10.8
250 300					8	229	333	76 39	35	8	5						7.5 1.2
350 460						7	8	5			i						0.1
450 500																	
550 625																	
700 TOTAL				1	12	448	881	170	54	16	9						24.8
₩15510N	3	ALT!	TUDE	5000													
VF AIRSPEED	1 E 5 5	-1.6	-1.0	_0.6	-0.Z	0.2	1.4	1.8	ZE 2.2	2.6	3.0	3,8	4.6	5.4	6.6	7.5	TIME
LE55 100	•	•	-	•	•	-	•	- • •		•		- •		••	•,•		HOOKS
150 200					,	17	10	10	1	1	2						1.5
250 300					2 2	137	221	41	3 7	1	3	2					8.2
350 400					-	3 2	7	2	ž	i	i	٠					0.1
450 500						•	,	,									0.0
550 625																	
700 TOTAL					6	266	452	80	13	3	7	2					19.1
- ~-					-			111		-		~					47.1

M155104	3	AL	TITUTE	100	(C.O.												
VF AIRSPEED				100	00												
LESS	į ES	5 -1.	8 -1.	,o _c.	6 -0.	2 0.	2 1.	. 1.8	NZE	2 2,6	3,0	3,8	4.6	5,4	6.6	7,8	TIME HOURS
100 150							1	•							•	, ,,,	
200 250					3		8	7 5									0.0
300 350					1	. 2	8 4	1 16		7 4	6	1	l				1.4
400 450					•		7 10) 9	,	3	1	1					3.6
500 550										1		•		1			0.0
625 700																	
TOTAL					8	7	8 127	41	16	11	14	2		1			
415510N												-		•			13.0
	3	AL1	TTUDE	1500	00												
VF AIRSPEED	i E 5 5	-1.8	-1.0	_0.6	-0.2	0.2	1.4	, ,	VZE 2.2								TIME
LESS 100				,		10	-	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	HOUR'S
150 200						3	12	1									0.0
250 300					2	31	59	23	3	5	1 7	2					1.9
350 400					1	9	12	13	2	5 2	11 10 3	3	2	1			7.2
450 500						3	6	1	1		3	2		1			0.8
550 625											•	•					0.0
760 707AL																	
					5	86	130	40	20	12	33	11	2	2			14.4
~1551C%	3	ALT	LTUCE	20000	,												
VE AIRSPEED																	
LESS	LE55	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.5	5.4	6.6	7.8	TIME
100 150						_									0.0	1.0	HOUR 5
200 250			1	1 3	4	5 e	119	72	1 36	16	5						0.0
360 350			•	1	18	266 175	562	298 227	151 130	93 66	39	2 5					9.1 29.5
450 450					2	12	19	20	12	10	6	,					2.0
500 550																	0.0
625 700																	
TOTAL			1	5	37	515	1146	619	330	185	90	_					
										.07	90	7					59.8
M155104	3	ALTI	TUDE	30000													
VE AIRSPEED	LE55	١. ٥						NZ	F								
LESS 100	Less	-1.8	-1.0	_0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4,6	5.4	6.6	7.8	TIME HOURS
150 200						5	4	1									0.0
250				1	2	31	69	32 105	13	4	1						0.3 7.2
360 350				1	3	31	100	47	17	15	3 2						19.2
460 450						٠	,	2			1						5.2
500 550																	
625 700																	
TOTAL				2	8	132	395	187	77	26	7						
																	32.2

₩15510N	3	ALT	TUDE	4000	0												
VF AIRSPEED LESS	LESS	-1.8	-1.0	_0.6	-0.2	0.2	***	1.8	2E 2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIME HOURS
100 150 200 250 300 350 400 450						6 5	1 4 3	1	1								0.2 3.0 2.2 0.0
550 625 700 TOTAL						11	8	1	1								5.4

Mission 4 - Administrative

~15510n	4	ALT1	TUDE	LESS													
VE AIRSPEED								NZI	Ε			•					TIME
LESS	LESS	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3,0	3.8	4.6	5.4	6.6	7.8	HOURS
160 150							2										0.0
200 250						1	1		1								0.0
300 350									1								0.0
400 450																	
500 550																	
625 700																	
TOTAL						1	3		2								0.1
· 15510%	4	ALT1	TURE	1000	,												
VE AIRSPEED	1							NZ	£								TIME
LESS	LF55	-1.8	-1.0	- ۥ6	-C.2	0.2	1.4	1.8	2.2	2.6	3,0	3.8	4.6	5,4	6.6	7.8	0.0
150 200						1	3	1	2								0.2
250 300						5	3	i	•								0.2
350 400						•	,	1									0.0
450 500																	
550 625																	
760 761						_											
, CTAL						7	12	3	2								0,5
41551UN	4	ALT]	TUCE	2000	0												
VE AIRSPEED	LESS	-1.8	-1.0	-0.6	-0.2	0.2	1.4	NZ 1.8	£ 2.2	2.6	3.0	3.8				-10	TIME
LESS	[[]]		-1.0	•••	•0,2	0.2		1 . 5	2.6	•••	3,0	3,6	1.6	5.4	5.6	7.8	HOUR S
100 150						1	7	3	- 1								0.0 0.2 0.5
200 250						3 45 22	47	13	2 16	4							0.8
300 350						22	22	11	2								0.2
400 450																	
560 550																	
625 700																	
TOTAL						71	112	33	21	4							1.7
MISSION	4	ALT1	LTUCE	5000													
VF AIRSPEED				•				NZ	E 2.2	_		_					TIME
LESS	LE55	-1.8	-1.0	-C.6	-C . Z	0.2	1,4	1.8	2.2	2.5	3,0	3.8	4.6	5,4	6.6	7.8	HOURS
100 150						1	10										0.2
200 250					1	43	39 41	11	4								0.6
300 350						21	24 7	13	5	2							0.4
400 450					1				-		1						0.0
500 550											•						0.0
625 700																	
TOTAL					2	73	121	33	10	3	1						2.0

Mission 4 - Administrative (Continued)

	#15510N	4	ALT1	TUOE	10000	0												
٧Ę	ALRSPEED								N.	2 E								TIME
	LE55 100	LESS	-1.6	-1.0	-0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3,6	4.6	5.4	6.6	7.6	HOUR S
	150 200						1 7	20 8	14	2								0.0 0.1 0.2
	250 300		1	,		2	20 60	18	22	1	1	2						0.4
	350 400		•			•	20	28	4	2	1	3	2					0.8
	450						2	5 2	2	3	1	1	1	1	2			0.1
	500 550						1	1		-	1							0.0
	625 700																	
	TOTAL		1	2		8	114	138	50	12	5	6	3	1	2			1.6
	+15010N	4	ALTI	TUDE	15000)												
VE	AIRSPEED				•					•								
		LESS	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	5.2 SE	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIME
	LESS 100						2	1									•-	0.0
	150						ī											0.0
	250						1	2		1								0.3
	300 350						1 3	3 2	1		1 2	1 2		1				0.1
	400						1	1	1		ì	2 2		•	1			0.1
	450 500					1		2	1	1		2						0.1
	550 625																	
	700 TOTAL																	
	1012					1	9	14	3	2	•	7		1	1			0.9
	#15510N	•	ALTI	TUCE	20000	1												
٧F	AIRSPEED					_			N2	E								TIME
	LESS	LE55	-1.8	-1.0	-0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3,0	3,8	4.6	5.4	6.6	7.8	HOURS
	100				1	1	21 32	27	2 5									0.1
	200				•			9	2	1								0.1
	250 300					1	3 1	5 2	2	5		1						0.6
	350 400						2	ī		1								0.2
	450																	0.0
	500 550																	
	625 700																	
	TOTAL				1	4	59	48	12	7		1						1.3
	~15510N	4	ALT1	*!!DE	- * * * * *													
	ALRSPEED	•	AL 11	TODE	30000													
	LESS	1 E 5 5	-1.8	-1.0	.0.6	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	TIME
	100						1							•	•			0.0
	200																	0.0
	250				1 2	1	2 4 2	2	1	3	1	1						0.3
	300 350				2	1	2	1 2 1 2	2	3	1 2 1	2						0.9
	400 450						-	•	1	,	ı	1						0.1
	500																	
	550 625																	
	700 TGTAL					_												
					3	3	13	6	•	10	5	*						1.5

TABLE X - (CONCLUDED)

Mission 4 - Administrative (Concluded)

*15510N	4	ALT1	TUDE	40000	2												
VE AIRSPEED								NZ F									TIME
	LESS	-1.8	-1.0	-0.6	-C.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	HOURS
LESS										-	•		•	- •			
100																	
150																	0.0
200		1	1			3	3 2	1									0.6
250						2	3	3									0.5
300						4	2	1									0.5
350							_	-									0.0
4C0																	
453																	
5/ 0																	
550																	
625																	
700																	
TOTAL		1	1			9		5									
-		•	•			•		,									1.2
*15510h	4	ALT1	TUDE	40000)												
VF AIRSPEED																	
11 =110. 220	LESS	-1.8	-1.0	-0.6	-0.2	0.2		NZE									TIME
LESS	(())		-1.0	-0.0	-0.2	0.2	1.4	1.8	2.2	2.6	3.0	3.8	4.6	5.4	6.6	7.8	HOURS
100																	
160																	
150 200																	0.0
250																	0.0
300																	
350																	
6 00																	
450 500																	
550																	
625																	
700																	
TOTAL																	0.0

TABLE XI

Flight Hours, No. of Flights, and No. of
Touch-and-go Landings by Mission Type and
Air Base for Regular and LTF T-38 Data

Mission Type													
Pata Grouping	Training	rormation	Nav & General	Administrative	Total								
williams AFB - Regular I-58 Data													
Flight Hours No. of Fit's No. of I 4 Go's	871.1 820 1858	110.8 96 91	938.9 803 276	59.6 69 27	1989.0 1788 2252								
Reese AFB - Regular I-38 Data													
Hight Hours No. of Hit's No. of I & Go's	1061.5 968 1853	153.8 134 129	058.9 564 155	48.1	1913.6 1726 2124								
lotal - Regular I	38 Data												
Flight Hours No. of Flt's No. of I & Go's	1932.5 1788 3691	264.6 230 220	1597.8 1367 431	107.7 129 34	3902.6 3514 4376								
Williams AFB - LTF T-38 Data													
Hight Hours No. of Flt's No. of T & Go's	63.3 57 124	4.5 4 5	70.6 59 8	5.4 8 0	143.7 128 135								
Reese AFB - LIF T	-38 Data												
Hight Hours No. of Flt's No. of T & Go's	8.8 9 29	0	18.7 15 4	3.6 4 1	31.2 28 34								
Moody AFB - LIF T-38 Data													
Hight Hours No. of Flt's No. of T 4 Go's	87.1 87 128	0 0 0	98.1 88 29	2.1 3 0	187.3 178 157								
lotal - I.HF 1-38	Data												
Hight Hours No. of lit's No. of F & Go's	159.4 153 281	4.3 4 3	187.4 162 41	11.1 15 1	362.2 334 326								

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